

Topac Fire
T. 8 rd. 8 high log
Damage Set
Sea-Tac, 1944
At \$25,000

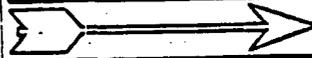
Terrible
**Spectacular Blaze
 Is Being Probed
 By Yard Officials**

NOV 23 1945

A spectacular fire of undetermined origin, which shot flames 50 to 60 feet upward and rocketed clouds of black smoke into the sky Thursday afternoon, caused damage estimated at \$25,000 at Todd-Pacific shipyards here.

No one was injured in the blaze, which broke out at 2:59 p. m. among combustible materials stored in wooden shelters, located 100 yards from the plant's incinerator, in an isolated part of the yard.

The blaze required services of the Todd fire department, three city fire engine companies, one



city truck company and the city fire boat before being extinguished.

The first call was recorded by the city dispatcher at 2:59 p. m., and the last company returned at 6:06 p. m.

Witnesses to the fire said flames shot from 50 to 60 feet in the air, and that clouds of black smoke billowed from the open storage sheds.

George Kachlein, Jr., Todd assistant general manager, said Friday that the "fire could have been started by spontaneous combustion."

"We had calcium, paint, grease."
 (Continued on Page 2, Column 2)

692 comments
This section, commenced January 1st from
Mr. Powell of the etc.

OK/Seattle-Tacoma
(765-Cj) (764)

RECEIVED
1 OCT 1944

To: Supervisor of Shipbuilding, USN
Tacoma, Washington

Subj: Facilities Contract NObs-779 - Todd Pacific Ship-
yards, Inc., Tacoma Division - Relocation of
Existing Thermit Welding Facilities, Request for
Approval and Endorsement of.

Ref: (a) Todd Pacific Shipyards, Inc. - Tacoma Div. Ltr.
dated 11 Aug. 1944 to SupShip.
(b) SupShip Ltr L24(AF)VCM:Ke dated 22 Aug. 1944 to
BuShips.

1. In reference (a) the Contractor requests approval and endorsement of a proposal to relocate the existing thermit welding operations now on Pier #3 at the South End, to the open storage area south of Eleventh Street, at an estimated cost of \$7,500.00 within the Facilities Contract NObs-779. In reference (b) the Supervisor of Shipbuilding approves and endorses this proposal. The Supervisor of Shipbuilding states that pouring large quantities of thermit welding at the present location distracts the workmen in surrounding areas, and is a fire hazard.

2. The Bureau approves the relocation of the thermit welding operations at a cost not to exceed \$7,500.00 as a Schedule 2 Item under the contract. The Bureau considers that this relocation is within the scope of Facility Contract NObs-779, and no additional clearance is required. The expenditure of \$7,500.00 is within the ceiling of the contract.

Lt. Bates/ma
8-22-44
8/22/44

James E. Smith
In Direction of
Chief of Bureau

ADDRESS NAVY DEPARTMENT,
BUREAU OF SHIPS

Section 7692, No.

NAVY DEPARTMENT
BUREAU OF SHIPS MLR
WASHINGTON 25, D. C.



25 September 1944.

MEMORANDUM

To: 765c (Lt. Bates)

Subj: Thermit Welding at Todd Shipbuilding Corp., Tacoma, Washington; Report on

Ref: (a) Telcon request to A.G. Bissell for report on.

1. The following report is given on the Thermit welding situation at Todd Shipbuilding Corp., Tacoma, Washington:

(a) It is desirable to move the Thermit welding slab from Pier 3 at the Tacoma Plant to their "Sand Lot" storage yard for the following reasons:

(1) Present location congested and in such a position that it interferes with outfitting by using outfitting crane service.

(2) Present location such that when a weld is poured time is lost by personnel gathering to watch the operation.

(3) Crane on outfitting dock causes slab to vibrate. This may or may not have been responsible for recent run out and loss of weld.

(4) The new location selected is in an isolated spot, on solid ground away from other yard activities and has truck rail and crane service without tying up other work.

2. Mr. Bissell will make further report upon his return approximately 9 October 1944.

For A. G. Bissell.

SUPERVISOR OF SHIPBUILDING, U. S. NAVY

TODD PACIFIC SHIPYARDS INC., TACOMA DIVISION

TACOMA 2, WASHINGTON

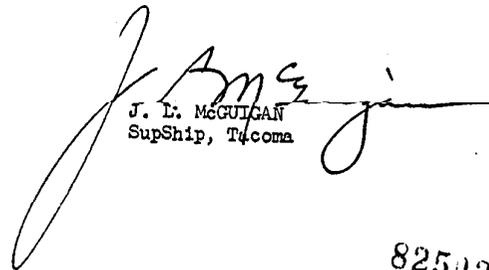
L24 (AF)VCN:Ke

22 AUG 1944

To: Chief, BuShips
Attn: Code 307Subj: Facilities Contract NObs-779 - Additional facilities request for;
approval of.Ref: (a) TFSI ltr of 11 Aug 1944 to SupShip.
(b) BuShips ltr QM/Sea-Tac (764-d) of 2 Oct 1943 to SupShip.
(c) SupShip ltr L24 (AF)VCN:Ke of 28 Jul 1944 to BuShips
Code 764-D.

1. Ref (a) requests approval and endorsement of a proposal to relocate existing thermit welding operations in the Contractor's Yard. This is submitted in accordance with ref (b) which set the Commitment Close Out Date as 30 Oct 1943 on subject contract. This is considered as an item in the category discussed in paragraph 5 of ref (c).

2. The Supervisor approves and endorses this proposal. Pouring large quantities of thermit material at a central location distracts workmen in surrounding areas. A mishap during a large pouring would mean serious loss of equipment and material and probably high personnel casualties. It is believed that the expense of moving is well warranted.



J. E. MCGUIGAN
SupShip, Tacoma

Encl: (HW)
1. Ref (a) with encl.

8251233

ENCLOSURES RECEIVED IN 244

TODD PACIFIC SHIPYARDS INC.
A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION
 FOOT OF ALEXANDER AVENUE
 TACOMA 1, WASHINGTON

August 11, 1944.

From: Todd Pacific Shipyards Inc.
 Tacoma Division
 Tacoma, Washington.

To: Supervisor of Shipbuilding, U. S. Navy
 Tacoma, Washington.

Attention: Lt. V. C. Norton.

Subject: Facilities Contract NObs-779 - Request for Approval of
 Additional Facilities.

Reference: (a) Letter from Chief of BuShips to SupShips, File Q4/
 Seattle-Tacoma SB Corp. (764-D) dated 2 October 1943.
 (b) Letter from SupShips to STSC, File Q4/Seattle-Tacoma
 SB Corp. (AF) dated 30 October 1943.

1. As directed by References (a) and (b) above the Contractor herewith submits for the Supervisor's approval and endorsement a proposal to relocate the existing Inermite Welding operations, proposed to be included under Facilities Contract NObs-779.

2. The Contractor recommends to the Supervisor that the existing Thermite Welding operations presently located on the south end of Outfitting Pier #3 be moved to the Open Storage Area, south of Eleventh Street, as indicated on Contractor's Drawing No. B-261 (herewith enclosed) for the following reasons:

- (a) Location of the Thermite Welding Slab on Pier #3 represents a very serious fire hazard. The Thermite Welds being made in connection with the construction of CVE-105 vessels are of such a magnitude, that the hazard from fire has been increased many times over Thermite Welding previously done in this area for other types of vessels.
- (b) The removal of this operation from Outfitting Pier #3 would make available this space for outfitting activities.

From: TPST
To: SupShips

-2-

August 11, 1944.

3. The estimated cost of subject equipment is as follows:

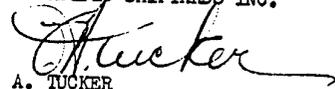
(a) Construction of concrete slabs, necessary grading and necessary planking	\$3,400.00
(b) Moving existing facilities, to include buildings, racks, etc.	600.00
(c) Necessary piping, to include air and water	600.00
(d) Necessary electrical distribution, to include power and light	<u>2,900.00</u>
Total cost	<u>\$7,500.00</u>

4. The Contractor wishes to call to the Supervisor's attention the fact that there is sufficient uncommitted balance under Contract NObs-779 so that the total contract cost will not be exceeded.

5. Contractor requests the approval of the Supervisor of Shipbuilding of the above proposed project as soon as possible since the facilities are urgently needed.

Very truly yours,

TODD PACIFIC SHIPYARDS INC.



O. A. TUCKER
Vice President and General Manager

JAS:pbh
Enclosure (1)

CC: Navy Cost Inspector, U.S.N.

SUPERVISOR OF SHIPBUILDING, U. S. NAVY
 TODD PACIFIC SHIPYARDS INC. TACOMA DIVISION
 TACOMA 2, WASHINGTON

LLO-3(AF)VCN:Fc

14 JUL 1945

To: BuShips, Code 764-D

Subj: Facilities Contract Nobs-779, Todd Pacific Shipyards, Inc., Tacoma, Wash.--
 Certified Inventory of Facilities Acquired from U. S. Maritime Commission

Ref: (a) SupShip, Tacoma ltr N36(AF)VCN:Rn of 6 Dec 1944 to BuShips, Code 764-D
 (b) BuShips ltr QM/SeaTac(764-D) of 19 August 1944 to SupShip, Tacoma
 (c) TFSI, Tacoma ltr ECM-498-USN-1-H of 11 June 1945 to SupShip, Tacoma
 (d) BuSandA ltr L4-1(10) (CI-IWd) over LLO-6 (33) of 10 Apr 1945 to NCI,
 Tacoma

Encl: (HW)

- (A) Copy of ref (a).
- (B) Inventory Certified by UDMO Auditor dated 7 Feb 1945.
- (C) Copy of ref (c).
- (D) Copy of ref (d).

1. Ref (a), copy herewith, stated that a certified inventory of facilities acquired under USMC facility contracts MCo-12 and 1951 with Todd Pacific Shipyards, Inc., (Formerly Seattle Tacoma Shipbuilding Corporation), Tacoma, Washington and taken over by the Navy under Nobs-779, was being prepared in accordance with ref (b).

2. Encl (B) lists subject facilities amounting to \$6,437,553.78. In ref (c), copy herewith, the Contractor concurs in the soundness of this inventory and accepts accountability for this amount, but states that in addition there are unbilled or suspended items amounting to \$266,061.64. Settlement of these items is between USMC and the Contractor. The Bureau will be notified of any subsequent settlements affecting this inventory.

3. In accordance with ref (d), copy herewith, property record cards are being prepared on subject facilities. NCI, Tacoma will forward original set of property record cards and one set of copies to BuSandA, Cost Inspection Service, and one set of copies to the Supervisor in accordance with Other Reports Section, Page 7 of revised Cost Inspection Manual.

724 7200522

Q m Todd Pacific Shipyards

J. L. McGuigan
 J. L. McGUIGAN
 SupShip, Tacoma

ENCLOSURES RECEIVED IN 243

SUPERVISOR OF SHIPBUILDING, U. S. NAVY
 TODD PACIFIC SHIPYARDS INC. TACOMA DIVISION
 TACOMA 2, WASHINGTON

N36(AF)VCH:Rn

6 December 1944

AIR MAIL

To: BuShips
 Attn: Code 764-D

Subj: Facilities Contract NObs-779, Todd-Pacific Shipyards Inc.
 (formerly Seattle-Tacoma Shipbuilding Corporation), Tacoma,
 Washington - Certified Inventory of Facilities Acquired
 from U. S. Maritime Commission.

Refs: (a) BuShips ltr QW/Seattle Tacoma Corp. (764-D) of 19 Aug
 1944 to SupShip, Tacoma
 (b) TPSI, Tacoma, ltr N36 of 29 Nov 1944 to SupShip, Tacoma

1. Ref (a) stated that the Maritime Commission had advised that the necessary information required for providing the subject inventory was not available, and had suggested the possibility of reconstructing the required information from documents still in the Contractor's possession. The Supervisor discussed this possibility with the local Navy Cost Inspector, and it was determined that an acceptable inventory might be secured by listing the property record cards covering U.S.M.C. Facilities and having the local Resident U.S.M.C. Auditor audit these cards and lists, and then certify the cards and lists as being the items and amounts for which the Contractor was reimbursed through U.S.M.C. Contract WCo-1951 through 30 September 1942.
2. The Contractor has agreed to prepare the cards and lists and the local Resident U.S.M.C. Auditor has agreed to do the auditing and certification. Ref (b) states that this method of providing the inventory is acceptable to the Contractor.
3. In view of the circumstances, it is believed that this is the best method by which a certified inventory of the U.S.M.C. Facilities acquired by the Navy can be procured, and the work is proceeding.

J. L. McGuigan

/s/ J. L. McGUIGAN
SupShip Tacoma

CC:
 NCI, Tacoma
 TPSI, Tacoma

Send (A)

TODD PACIFIC SHIPYARDS INC.

Tacoma Division
Tacoma 1, Washington

June 11, 1945

File: ECM-498-USN-1-H

From: Todd Pacific Shipyards Inc.
Tacoma Division
Tacoma, Washington

To: Supervisor of Shipbuilding, USN
Tacoma, Washington

Attn: Lt. V. C. Norton

Subj: Facilities Constructed under USMC Contracts DA MCC-12-1951-
Transfer to Navy - Verification of

Ref: (a) HCI, Tacoma ltr NObs 779/592(2)(2200) of 17 February 1945
to BuSanda
(b) SupShips ltr NObs-779 L24(AF)VCN:Pc of 15 March 1945 to TPSI

1. Ref (b) forwarded copies of the recapitulation of USMC Facilities acquired under subject contracts and turned over to the Navy, showing total costs as \$6,437,553.78.

2. As requested in ref (b), the contractor concurs in the soundness of this recapitulation and accepts accountability as set forth in said recapitulation with the following exceptions:

(a) In addition to the \$6,437,553.78 costs which the contractor acknowledges as being reimbursed to him, contractor had additional unbilled or suspended costs on his books of \$266,061.64 consisting of the following:

Overhead on Contract DA MCC-12	\$ 17,333.30
Overhead on Contract MCC-1951	4,728.34
Outfitting Dock No. 4 - Contract MCC-1951	30,000.00
Sizer Co. Building - Contract DA MCC-12	214,000.00
	<u>\$266,061.64</u>

(b) The contractor wishes to call to the attention of the Supervisor that there are a few discrepancies in the classification or marking number as shown on the recapitulation. These differences are, however, of a minor nature being mainly due to the manner in which the equipment has been tabulated. Certain similar items have been grouped and shown as totals, thereby eliminating the location number which forms a part of the classification or marking number.

Very truly yours,

TODD PACIFIC SHIPYARDS INC.

/s/ George F. Kachlein, Jr.
Assistant General Manager

GFK:ECM:m

George F. Kachlein, Jr.

COPY

NAVY DEPARTMENT
BUREAU OF SUPPLIES AND ACCOUNTS
WASHINGTON 25, D. C.

L4-1(10)(CI-Inv)
L10-6(33)

10 APR 1945

From: The Chief of the Bureau of Supplies and Accounts
(Cost Inspection Service)

To: The Cost Inspector, USN
Todd Pacific Shipyards, Inc.
Tacoma, Washington

VIA: The Supervisory Cost Inspector, USN
Thirteenth Naval District

SUBJECT: Facilities Constructed under United States Maritime Commission
Contracts DA MCC-12 and MCC-1951 - Transferred to Navy - Sub-
mission of Inventory and Property Record Cards.

Reference: (a) SCI 13RD 1st Ed. to CIBR&A(CIS), EN9-136(E-4086), dated
17 March 1945, with basic ltr. from CI, Todd Pacific
Shipyards, Inc., dated 15 March 1945.

1. Reference (a) raises certain questions relative to the use of Maritime Commission property record cards in place of Navy Forms 269 and 270 on certain facilities taken over by the Navy from the Maritime Commission at the plant of the subject contractor.

2. The only Maritime Commission property record form with which the Cost Inspection Service is familiar is Form 451B (4-37). This card does not contain adequate information for the use of the Navy. If some other Maritime Commission property record card was used which provides for information comparable to that contained on Navy Forms 269 and 270, the Maritime Commission cards may be used. If there is any question in the Cost Inspector's mind as to the adequacy of the information shown on the Maritime Commission cards, copies thereof should be forwarded to the Cost Inspection Service for consideration.

3. In the event the Maritime Commission cards are clearly inadequate, the contractor should be requested to prepare property record card Forms 269 and 270 for all facilities obtained from the Maritime Commission by the Navy. Care should be taken that in those cases where the initial cost of a facility item borne by the Maritime Commission is shown on one card and completion costs paid by the Navy on another card, that an adequate notation is made on the card covering the initial cost to the effect that further costs have been reported on another card.

4. If on the basis of the above it appears that Forms 269 and 270 will be required and the work involved in reviewing such card will place too great a burden on the Cost Inspector's staff, the Cost Inspection Service should be so informed so that efforts may be made to secure an officer from the Plant Inventory Division to perform this function.

/s/ Frank Baldwin
FRANK BALDWIN

By direction of the Chief of Bureau

UNITED STATES MARITIME COMMISSION
 Todd-Pacific Shipyards, Inc.
 Tacoma 1, Washington

INVENTORY OF FACILITIES
 at
 TODD-PACIFIC SHIPYARDS, INC.
Tacoma, Washington

Acquired Under
U. S. MARITIME JURISDICTION

Authority
CONTRACTS DA Mcc-12 and Mcc-1951

Dated February 7, 1945

RECAPITULATION

Shipyards Development	Contract DA Mcc-12	\$2,042,771.64
Office Furniture & Appliances	" "	45,189.64
Machinery & Equipment	" "	1,677,988.02
Shipyards Development	Contract Mcc-1951	1,506,144.55
Office Furniture & Appliances	" "	54,511.68
Machinery & Equipment		<u>1,110,948.25</u>
Total		\$6,437,553.78

THIS IS TO CERTIFY that the attached list of 31 pages, totaling \$6,437,553.78, sets forth correctly, according to our records, the reimbursable Facilities costs incurred by the United States Maritime Commission prior to October 1, 1942, under Contracts DA Mcc-12 and Mcc-1951 with Seattle-Tacoma Shipbuilding Corporation.

These costs have been reimbursed to the Contractor as follows:

USMC Costs Paid by USMC	\$6,092,553.78
USMC Costs Paid by Navy Department as provided in Navy Contract NOBS 779	<u>345,000.00</u>
	\$6,437,553.78


 Robert S. Temme
 Assistant Regional Construction Auditor
 (Northern)

**SHIPYARD DEVELOPMENT
BUILDINGS AND STRUCTURES**

Contract DA M0c 12

<u>Description</u>	<u>Costs</u>
ASSEMBLY PLATFORM Ways No. 4	6,196.97
" " " No. 5	6,585.93
" " " No. 6	6,631.78
" " " No. 7	6,088.83
" " " No. 8	6,992.67
Bulkhead - Wapato Waterway	986.44
" - Between Outfit Docks No. 2 & No. 3	3,243.28
" - Hylebos Waterway	30,926.95
Clearing Land	2,104.05
Compressed Air	15,457.75
Electric Power & Lighting	136,364.15
Engineering Fees	95,000.00
" Expenses	45,000.00
Fuel Oil	534.46
Garage	2,003.19
Gato House	4,974.33
Grading	52,455.69
Hooker Fence	30.04
" Parking Lot	10,434.08
Hospital & Inspector Bldg.	3,619.37
Incinerator	1,934.63
Main Office Bldg. (Sizers)	83,982.37
" Washroom	15,450.76
Offices	7,804.46
Outfitting Pier No. 1 (Superstructure)	3,671.58
" Inboard & Extension	1,747.00
" " No. 3 Hylebos Waterway	224,560.57
Overhead	218,703.37
Paint Warehouse	13,534.30
Permanent Storage Sheds	737.45
Power & Heat Bldg.	5,806.78
Relocations Bldgs. & Structures	3,200.99
Relocations Machinery	3,388.03
Remodel Construction Office	2,246.17
" Existing Warehouse	7,409.65
" Toolroom in Mold Loft	193.02
Restaurant	32,087.97
Shipways No. 4	41,933.44
" No. 5	40,055.80
" No. 6	39,483.54
" No. 7	43,001.89
" No. 8	43,573.59
Shops Bldg.	100,803.12
Sizer Property	260.88
Steam Power & Heating	5,034.60
Steel Dept. Office	4,146.59
Steel Shed	204,001.68
" Yard Office	3,197.40
Storm & Sanitary Drainage	6,849.63
Toilet Bldg. at Ways	2,887.62
Tool & Dry Sheds	10,151.57
Warehouse Bldg.	61,354.47
Water	75,762.56
Westside Warehouse Sizer Bldg.	28,287.63
Whirley Runway No. 4	20,741.18

SHIPYARD DEVELOPMENT
BUILDINGS AND STRUCTURES

Contract DA MOC 12

-2-

Whinley Runway No. 5	22,740.98
" " No. 6	21,090.35
" " No. 7	20,227.71
" " No. 8	22,573.90
" " No. 9	38,968.28
" " No. 10	9,740.36
Yard Fencing	3,184.47
" Oxygen & Acetylene Lines	887.53
" Railroad	12,614.11
" Roads & Areas	97,424.76
	<u>2,042,771.64</u>

OFFICE FURNITURE AND APPLIANCES
Contract DA MOC 12

<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
13A1-1	1	#93100-5 Remington Add. Mach.	\$ 237.00
13A1-22	1	#93100-5 Remington Add. Mach.	207.00
7A1-23	1	7173-3 Remington Add. Mach.	63.00
13A1-24 to 27 incl.	4	93100-5 Remington Add. Mach.	828.00
22A1-28	1	93100-13 Remington Add. Mach.	229.50
13B10-1 to 3	3	Globe Wernecke 4 section Bookcases	107.02
13B19-1	1	3000 - Nat'l. Cash Register Post. Mach.	926.84
13C1-1 and 2	2	18" x 36" x 78" Stationery Cabinets	65.00
13C1-3	1	18" x 36" x 78" Stationery Cabinets	41.02
13C1-4	1	Globe Wernecke Cabinet	76.10
13C1-5	1	10 Drawer Map	29.88
13C1-6 to 8 incl.	3	Cabinets for Time & Tool Brass	361.66
13C1-9	1	16 Drawer Cabinet	116.81
13C1-10	1	20 Drawer Cabinet	143.02
12C1-1	1	13' x 43" x 28" Stock Cabinet	169.39
13C-4-1	1	ST10 Friden Calculator	552.50
13C4-22	1	10 Column Comptometer	395.00
13C6-1	1	Carrying Base for Calculator	10.00
13C10-1	1	Posture Chair	10.97
13C10-2 to 4	3	Revolving Chairs - no arms	30.87
13C10-5 to 16 incl.	12	Plain Oak Office Chairs	57.62
6C10-17	1	Oak Posture Office Chair	10.98
13C10-18 to 25	8	Quartered Oak Plain Chair	43.86
13C10-26 & 27	2	Oak Swivel Chair	20.58
6C10-28	1	Strt. Back Chair	5.73
C10-29 & 30	2	Posture Chairs	21.96
C10-31 to 42	12	Posture Chairs	134.40
13C10-43 to 45	3	Posture Chairs	70.14
13C10-46	1	Oak Revolving Chair	32.50
13C10-47 to 52	6	Oak Strt. Chair	57.50
13C10-53	1	Harter Metal Posture Chair	28.00
13C10-54 to 80	27	Oak Swivel Chairs	337.50
13C10-81 to 85	5	Setwell Posture Chairs	116.86
C10-86 to 105	20	Oak Side Chairs	117.15
13C10-106 to 115	10	Oak Posture Chairs	115.00
C10-116 to 131 134 & 135	18	Oak Swivel Chairs	221.00
C10-136 to 155	20	Oak Side Chairs	119.40
13C10-156 to 161	6	Swivel Chairs	23.52
162 to 163	2	Posture Chairs	13.72
13C10-164 to 169	6	Walnut Revolv. Chairs	75.00
13C10-170 to 172	3	Walnut Posture Chairs	32.25
13C10-173	1	Walnut Posture Chair	10.75
13C10-174	1	Walnut Revolv. Chair	12.50
13C10-175 to 180	6	Walnut Side Chairs	23.52
C10-181 to 239	59	Oak Revolv. Chairs	722.75
C10-240 to 251	12	Oak Posture Chairs	147.00
C10-252 to 303	52	Oak Strt. Chairs	254.80
13C10-304 to 306	3	Oak Revolv. Chairs	31.50
6C10-307-308	2	Oak Revolv. Chairs	24.50
13C10-309-310	2	Oak Posture Chairs	24.50
13C10-311-312	2	Oak Revolv. Chairs	24.50
13C10-313 to 318	6	Oak Strt. Side Chairs	29.40
13C10-319 to 322	4	Oak Revolv. Chairs - no arms	49.00
13C10-323	1	Oak Revolv. Chairs	14.70
13C10-324	1	Oak Posture Chair	12.25
C10-325-326	2	Oak Strt. Side Chairs	10.29

OFFICE FURNITURE AND APPLIANCES
Contract DA WCo 12

-2-

<u>Classification Or Marking No.</u>	<u>Description</u>	<u>Costs</u>
13C10-327 to 361	35 Oak Revolv. Chairs	\$ 437.50
13C10-362 to 371	10 Oak Posture Chairs	125.00
13C10-373-374	2 Steel Posture Chairs	47.00
13C10-375 to 394	10 Strt. Side Chairs #1851S	82.00
13C10-395 to 401	17 Strt. Side Chairs #208	85.00
13C10-402 to 408	7 Strt. Side Chairs	35.00
13C10-409	1 Oak Revolv. Chair	21.00
13C10-410 to 415	6 Oak Side Chairs	96.00
13C10-416-417	2 Oak Revolv. Chairs	25.00
13C10-418	1 Oak Posture Chair	12.50
13C10-419-420	2 Oak Revolv. Chairs - no arms	24.50
13C11-1	1 Check Signer	1,120.00
13C11-2	1 Premier F. E. Check Writer	147.00
13C11-3	1 Premier F. E. Check Writer	96.53
13C16-1 to 6	6 12" Seth Thomas Clocks	34.98
13C16-7	1 #1 Seth Thomas Clock	5.68
13C17-1	1 Costumer	3.43
017-2 to 7	6 Costumers	21.17
1C17-8	1 Costumer	3.43
13C17-9	1 Costumer	4.00
2C17-10-11	2 Costumers	8.82
13C17-12 to 25	14 Costumers	72.03
13C17-26 & 27	2 Costumers	7.00
13C17-28 to 32	5 Costumers	26.25
13C37-1	1 Globe Werneck Counter	16.17
13D1-1 to 3 incl.	3 60" Oak Flat Top Desks	119.07
13D1-4	1 60" Oak Typewriter Desk	46.11
2D1-5 6D1-6	2 60" Flat Top Oak Desks	75.45
6D1-7 & 8	2 Pedestal Type Oak Type Desks	91.92
13D1-9 & 10	2 60" x 36" Spec. Bookkeeping Desks	77.00
D-1-11 to 22 incl.	12 32 x 60" Oak Type Desks	562.80
D-1-23 to 47 incl.	25 60" Oak Desks	1,011.00
13D1-48 to 57 incl.	10 32" x 60" Oak Type Desks	510.00
D1-58 to 74 & 76-77	19 30 x 60 Oak Desks	791.00
13D1-78	1 66" Lens Top Oak Desk	86.00
13D1-79	1 32 x 60" Oak Type Desk	73.00
13D1-80	1 42" Drop Head Oak Type Desk	41.16
D1-81 & 82	2 Used Double Flat Top Desks	49.00
13D1-83	1 Used Drophead Type Desk	13.23
22D1-84	1 Used Drophead Type Desk	7.84
13D1-85 to 90	6 Flat Top Walnut Masonite Top Desks	237.00
13D1-91 to 93	3 Walt. RH Fed. Type Desks	143.50
13D1-94	1 Flat Top Walnut Masonite Desk	39.50
13D1-95	1 RH Fed. Type Desk	49.50
D1-96 to 115	20 32" x 60" Oak Flattop Desks	662.40
13D1-116 to 127	12 60" Oak Pedestal Steno. Desks	623.28
13D1-128	1 32" x 66" Oak Flat Top Desk	70.56
13D1-129 to 131	3 60" Oak Flat Top Desks	115.50
6D1-132 & 133	2 32 x 60 Oak Flat Top Desks	86.24
12D1-134	1 60" Oak Flat Top Desk	43.12
13D1-135	1 60" Oak Pedestal Type Desk	51.94
13D1-136	1 60" Oak Flat Top Desk	43.12
13D1-137	1 60" Oak Pedestal Type Desk	51.94
13D1-138-139	2 60 x 36" Masonite Posting Desks	75.00
13D1-140 to 146	7 60" Flat Top Desks	343.00
13D1-147	1 66" Flat Top Desk	78.00
13D-1-148 to 162	15 60" Flat Top Desks	777.00
13D1-167	1 45" Oak Comptometer	32.50
12D13-5	1 S10 Ditto Duplicator	795.00

OFFICE FURNITURE AND APPLIANCES
Contract DA MCs 12

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<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
13D1-168-169	2	60" Flat Top Oak Desks	98.00
13D1-170	1	60" Pedestal Type Desk	56.00
13D7-1 to 4 incl.	4	1 3/4" 36" x 120" Draw Boards	124.00
13D7-5 to 8 incl.	4	42" x 120" x 1 3/4" Draw Boards	150.40
13D7-9 to 14 incl.	6	42" x 72" x 1 1/8" Draw Boards	110.25
13D7-15 to 31 incl.	17	42 1/2" x 120" 1 3/4" Draft Boards	941.29
13D17-32 to 39 incl.	8	42 1/2" x 120" 1 3/4" Draft Boards	452.00
13D17-40 to 46 incl.	7	42 1/2" x 120" 1 3/4" Draft Boards	395.50
13D17-47 to 49	3	42 1/2" x 96" x 1 3/4" Draft Boards	169.50
13D17-50 to 53	4	42 1/2" x 84" x 1 3/4" Draft Boards	214.00
13D13-1	1	D44 Ditto Duplicator	427.50
13D13-2	1	Model #92 Mimeograph	425.85
13D13-3	1	Model 1BF5 Ditto Duplicator	565.00
13D13-4	1	14D44 Ditto Duplicator	44.74
6F4-1	1	Legal Size 4 Dr. Aurora File	5.39
13F4-2	1	2 dr. 5 x 8 Card File	6.47
13F4-3	1	2 dr. 5 x 8 x 15 File	4.31
13F4-4	1	3 x 5 - 2 dr. File	5.39
13F4-5	1	2 dr. 5 x 8 x 15 File	5.88
13F4-6	1	2 dr. 5 x 8 x 15 File	833.00
F4-7 to 23 incl.	17	4 dr. Legal Size Files w/Locks	989.00
F4-24 to 46 incl.	23	4 dr. Legal Size Files without Locks	183.60
F4-47 to 49	3	Document Filing Cabinets	176.80
13F4-50	1	Remington R. Tab. Card File	9.50
17F4-51	1	Y & E 2 dr. Card File	110.40
13F4-52 & 53	2	Legal Files with Locks	98.00
13F4-54 & 55	2	Legal Files with Locks - 4 dr.	392.00
F56 to 63	8	Legal Files 4 dr. Aurora W/L	860.00
F4-64 to 83 incl.	20	Legal Files Aurora No/L	196.00
13F4-84 to 87	4	Legal Files Aurora W/L	470.75
13F4-94 to 101	8	Legal Size 2 dr. Desk Files	11.76
13F4-102-63	2	2 dr. 5 x 8 Norwood Card Files	826.14
13F4-104 to 109	6	84,800 Card Cap. Tab. Card Files	66.40
13F4-110	1	Globe Wernicke 3 dr. Legal File	119.85
13F4-111-112	2	Globe Wernicke 3 dr. Legal Files	47.04
13F 4-113	1	#7401 4 dr. Steel Letter File	6.47
13F 4-114	1	2 dr. 5 x 8 x 15 Steel Card File	93.03
13F 4-115 to 117	3	Art Metal 4 dr. Letter Size Files	27.00
13F 4-118 to 123 incl.	6	Shaw Walker 4 dr. Legal Files	2,140.00
F4-124 to 174	51	4 dr. Legal Size Aurora N/L File	720.50
F4-175 to 189	15	4 dr. Legal Size Aurora w/L File	343.00
F4-190 to 199	10	3 dr. Letter Size Aurora W/L File	145.04
F4-200 to 201	2	3 dr. Jumbo Aurora N/L File	6.47
F4-202	1	2 dr. 5 x 8 Norwood Card File	441.00
13F4-203 to 211	9	#7402L - 4 dr. Aurora W/L File	129.00
13F4-212 to 214	3	#7402 - 4 dr. Aurora No/L File	3.23
13F4-215	1	2 dr. 3 x 5 Card File	657.96
1413-1	1	Model A Marful Identigraph	127.65
1413-2		Identification Equipment	2,425.12
1311-1		Remington R. I. V. I. Installation	1,455.30
1311-2 to 10 incl.	9	#C 1685 Kardex Cabinets	36.00
1319-1 to 4	4	#3494 Dazor Fluor. Lamps	9.53
1319-5	1	#3494 Dazor Fluor. Lamp	19.50
1318-1	1	#20 Line-A-Time	74.00
1318-10 to 13	4	#20 Line-A-Time	17.50
1318-14	1	16" Line-A-Time	505.00
1376-1	1	RS Pitney-Bowes Mailing Mach.	83.41
1378-1 & 2	2	Map Boards	

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
13N1-1	1	Roberts 12 wheel Numb. Mach.	\$ 45.00
1N1-2	1	5 Wheel Bates Mach.	17.15
13N1-3 & 4	2	5 Wheel Bates Mach.	34.30
16N1-5	1	6 Wheel Bates Mach.	18.13
13R1-1	1	Wall Rack for Acetg. Mach.	100.54
13R1-2 & 3	2	Sorter Rack for Acetg. Mach.	75.40
13R1-4	1	Rack for Acet. Mach.	25.14
13R1-5 to 9	5	Small Desk Height Racks	50.27
13S15-1	1	72" x 18" Book Shelf	27.60
133-15-2	1	72" x 18" Book Shelf	24.83
133-30-1	1	Friden Calc. Stand	22.50
133-30-2	1	Marchant Mach. Stand	21.25
133-30-3 to 11	9	Friden Calc. Stand	247.50
133-30-12	1	Allen Wales Stand	18.00
13350-15	1	Type Stand	19.30
13322 1 to 3	3	30" Draftsman Stools	5.59
S22-4 to 9	6	30" Draftsman Stools	11.40
S22-10 to 15	6	30" Draftsman Stools	12.64
S22 16 & 17	2	30" Draftsman Stools	3.82
13322-18 to 30	13	30" Draftsman Stools	24.21
6322-31 & 32	2	30" Draftsman Stools	3.72
13322-33 to 44	12	30" Draftsman Stools	28.34
13T2-1 to 3 incl.	3	Spec. Tables & Racks 44" x 114" x 28"	122.01
13T2-4	1	60" Oak Table	23.52
13T2-5	1	60" Oak Table	20.58
13T2-6	1	60" Oak Table	20.58
13T2-7	1	72" Oak Table	55.20
13T2-8	1	60" Oak Table	39.20
T29 to 33 incl.	25	32" x 60" Oak Tables	547.50
13T2-34	1	72 x 36" Oak Table	21.00
13T2-35 to 52 incl.	18	32 x 60 Oak Tables	507.00
13T2-55 & 56 & 57	3	#93527 Kardex Tables	126.00
13T2-58 to 81	24	60" Oak Tables	582.12
T2-82 to 85	4	32 x 60 Oak Tables	97.02
13T2-86 to 88	3	60" Tables	72.76
13T2-89 to 110	22	60" Tables	572.00
13T2-111	1	Steel Table for Tab. Mach.	25.78
13T2-112 to 117	6	60" Oak Tables	156.00
13T2-118	1	66" Oak Table	44.00
13T27-4 to 8	5	18" Underwood Type.	437.50
13T27-9 to 14	6	14" Underwood Type.	465.00
13T27-16	1	Palm Tabulator	5.00
T27-28 to 41	14	Model 17 Remington Type. 11"	1,060.40
T27-42 to 50	9	Model 17 Remington Type. 15"	729.90
T27-51 to 55	5	Model 17 Remington Type 20"	455.50
13T27-56	1	Model 17 Remington Type. 24"	101.10
14T27-57	1	Model 17 Remington Type. 11"	70.00
			<u>\$ 45,189.64</u>

MACHINERY AND EQUIPMENT
 CONTRACT DA MCO 12

<u>Classifications or Marking numbers</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
26A3 1 to 10 incl.	10	#2 Boyer Chipping Hammers	\$ 600.00
26A3 11 to 20 incl.	10	#R2 Thor " "	600.00
26A3 21	1	#R3 " "	60.00
26A3 22 to 33 incl.	12	#2 Boyer " "	705.60
26A4 1 to 8 incl.	8	#22J Air Motors - Drills	880.00
26A4 9 to 24 incl.	16	#4J " "	2,880.00
26A4-25	1	#4K " "	180.00
26A4 26 & 27	2	#4SK " "	370.00
26A4 28 to 30 incl.	3	#5J " "	630.00
26A4 31 to 33 incl.	3	#AASE " "	780.00
26A4 34	1	#33SKW " "	190.00
26A4 35 to 40 incl.	6	#00 " "	1,620.00
26A4 41 & 42	2	#80 " "	510.00
26A4 43 & 44	2	#90SE " "	650.00
2A4 45 & 46	2	#90 Non Reversible Piston Type	540.00
2A4 47 & 48	2	#R44 Reversible Multivarie Drill	560.00
2A4 49 & 50	2	#2CM Non " "	380.00
26A5 1 to 17 incl.	17	#4GVB Portable Air Grinders	2,125.00
2A5 18 to 23 incl.	6	#4GVB " "	750.00
29A5 24	1	#3305-4250	122.50
26A6 1 to 4 incl.	4	#534 Impact Wrenches	1,040.00
26A6 9 to 12 incl.	4	#534 " "	1,040.00
26A6 13 to 18 incl.	6	#534 " "	1,591.10
26A7 1 to 12 incl.	12	#60-1 1/16" x 6" Riveter Boyer	1,020.00
26A17-1 to 4 incl.	4	#KEL Sealing Hammers	200.00
25A10 1	1	1942 Dodge Custom 4 dr. Sedan	1,304.80
25A11 1	1	1 1/2 ton 1942 Chevro. Truck	1,416.48
25A11-3	1	1934-612 White Flatbed Truck	(Rental Recap.)
25A11-3	1	1938 3/4 Ton Chevro. Truck	" "
29A8	1	255# all steel anvil	64.97
20A16-1 to 5	5	Awning 3 section units	6,364.93
1B18-1	1	#1 "Kling" Bending Mach. "Beam"	3,784.67
29B4 4 to 7 incl.	4	5' x 5' Cast Bending Slabs	677.79
29B4 8	1	Unit of 4 5' x 5'	739.18
5B4 2	1	Unit of 12 5' x 5'	1,742.76
1B4-1	1	Unit of 140 5' x 5'	22,582.07
21B20-1		Kneel & Bilge, Blocks, Dogs	
		Labor Shipway No. 4	2,743.88
		" " " " No. 5	2,667.69
		" " " " No. 6	2,258.65
		" " " " No. 7	2,208.53
		" " " " No. 8	2,133.55
21B20-2			1,024.48
21B20-3			1,815.99
21B20-4			4,458.42
21B20-5			1,681.63
27B11-1	1	Used Kewanee Heating Boiler	31.43
21B21-1	1	Steel Boom for Whirley Crane	37.75
2B24 1 to 9 incl.	1	Boring Bar Set Heads etc.	196.39
2B24 10 to 15 incl.	1	" " " " " "	392.00
2B23-1	1	#1433 Boring Bar	78.40
2B23-2	1	#1633	2,886.30
5B13 1 to 50 incl.	50	26" x 8" x 7" Galv. Steel Tollboxes	
2B13 51 to 150 incl.	100	" " " " " "	
2B13 151 to 170 incl.	20	36" x 18" x 13" " "	
7B15-1	1	CL10 Chicago Steel Press Brake	

MACHINERY AND EQUIPMENT
Contract DA MCG 12

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<u>Classification or marking number</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
7B15-2	1	#916 Bending Brake	262.15
27B22-1	1	#B9744 "Ray" Oil Burner	1,019.00
27B22-2	1	#B9762 " " "	1,776.61
1C7- 1 to 12	12	Heavy Duty Railway Push Cars	2,987.55
2C34-1	1	Single End Centering Machine	325.00
2C12-8	1	15" - 4 Jaw Lathe Chuck	218.54
21C13- 1 to 3 incl.	3	Single Class WKO Air Compressors	6,065.79
23C18-4 to 7 incl.	4	Twin " " "	19,464.28
21C18- 8 & 9	2	Class FE4 Chicago " "	5,030.00
1C26 1 to 7 incl.	7	46 1/2 ft. Span-7 1/2 Ton Bridge Cranes	70,991.59
1C27 1 to 6 "	6	1 1/2 Ton Jib Cranes	1,077.39
1C27 7 to 10 "	4	3 1/2 Ton " "	2,472.82
1C27 11 & 12 "	2	Portable Shop "	123.75
29C27-13	1	1 Ton "Budget" Jib Crane	117.75
2C27-14	1	1 Ton " " "	64.39
5C27-15	1	1 " " " "	92.31
25C28 1 to 3 incl.	3	AKR 5 Ton Krane Kar 12' Booms	19,086.44
25C28-4 & 5	2	AY 10 " " " 19' to 31' Booms	16,307.12
25C28- 6 & 7	2	Clark Carloaders 3000# Cap.	5,550.22
21C30 1 to 3 incl.	3	Clyde Model 20E-80 Whirley Cranes 45 Ton	142,892.62
21C30-4	1	" " " " 45 Ton	47,673.89
22C30-5 & 6	2	" " 14E-115 " " 5 Ton	76,037.93
21C30- 7 & 8	2	" " 20E-80 " " 45 Ton	95,357.60
23C30- 9 & 10	2	" " 24E-115 " " 50 Ton	105,749.85
31C33- 1 to 3	3	Oxweld Shape Cutting Machine	392.16
31C33 4 & 5	2	#5 Airco Camographs	1,590.00
32C31- 1 to 650	650	100' lengths Welding Cable	21,179.73
32C31- 651 to 1150	500	9' stinger heads	2,969.57
29C26-13	1	1 Ton Bridge Crane	241.71
5C26-12	1	1 Ton " " "	224.00
2C26-11	1	5 Ton 36 1/2 Span "	2,823.75
1C26-10	1	46'-0" F & R Bridge Crane	6,141.93
1C26 8 & 9	2	80' Span 15 Ton	36,940.34
2D3-1	1	1 1/2" Style D Die Head for Lathe	105.00
1D15-1	1	Set 14' Radius Shaping Dies	527.68
1D15-2	1	" " " " "	527.67
1D15-3	1	" 10' " " "	527.67
1D15-4	1	" 10' " " "	527.67
1D15-5	1	Set 8' " " "	527.67
1D15-6	1	" " " " "	527.67
1D15-7	1	" 6' " " "	527.69
1D15-8	1	" 6' " " "	527.68
1D15-9	1	" 4' " " "	527.69
1D15-10 & 11	2	Alloy Steel V Block for 125 Ton Press	592.00
8D18- 7 to 10 incl.	4	#632 Timber Dollies	31.36
16D18 1 to 6 "	6	24" x 18" Transfer Dollies	99.00
2D17-1	1	#541 Drill Holder for Lathe	28.74
2D9-1 & 2 6D9-3	3	#63-15" Atlas Bench Drill Presses	168.00
2D9-5 5D-9-4	2	21" Canady Otto Pedestal Drills	735.00
1D9-6	1	20" Used Floor " "	230.00
6D9-7	1	Used 32" Drill Press	437.16
7D9 - 8 & 9	2	Delta #989-14" " "	138.67
2D11-1	1	#354-3/16" B & D Drill	27.08
2D11-2	1	#30-1/4" " " "	16.62
2D11-3	1	#360-5/16" " " "	39.99
1D11-4 & 5	2	#30 B & D 1/4" Jr. "	28.73
1D11- 6 to 10 incl.	5	#32 " 1/4" Heavy Duty	162.09
1D11-11 to 15 "	3	#362 " 3/8" " "	114.55
1D11-14	1	#40 " 1/2" " "	48.88

MACHINERY AND EQUIPMENT
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<u>Classification or Marking number</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
30D-11 - 10 to 64 incl.	00	#31 Spec. 1/2" B&D Elec. Drills	\$ 1,408.73
30D11-65 to 74 incl.	10	#387-5/16" " HD "	587.40
7D11-75 to 114 incl.	40	" " " " " "	1,469.61
8D11-115 to 120 incl.	6	3/4" HD B&D Elec. Drills	469.83
8D11-121 & 122	2	Model 342 Stanley Elec. Drills	172.48
2D12-1	1	4' 9 speed Hole Wizard Radial Drill	3,970.72
2D12-2	1	4' 32 " " " " " "	8,664.43
1D16-1	1	Toggle Bug Drilling Machine	1,028.17
1D16-2	1	" " " " " "	1,028.17
1E5-1	1	200KW Motor Generator Set	4,214.00
1E10-1	1	15 Panel Switchboard - 15 feeders	5,415.04
1E10-2	1	11 " " " 11 "	4,581.96
E12-1 to 43	43	200 KVA Single Ph. Transformers	28,302.60
E12-44 to 47	4	200 KVA 2300/220/110	2,672.00
23E12-48 to 53	6	333 " GE 2300/440 H. S. "	7,113.78
23E12-117	1	200 " " 2400/240/120	865.26
25-14-1 to 3 incl.	3	Buffalo 40 gal. Foam Engines	589.00
F-14- 4 to 106	103	2 1/2 gal. Soda & Acid Fire Exting.	882.94
F14-107 to 112	6	2 1/2 gal. Foam Fire " "	58.80
E14-113 to 142	30	" " Buffalo Pump " "	377.19
E14-143 to 160	18	#2 Fire Gun Carbon Tet. "	149.06
1E14-161	1	#4 Allite Carbon Dioxide "	21.95
1E14-162-163	2	#15 " " " " "	96.04
14E14-164-165	2	#513 Guardian 2 1/2 gal. "	16.76
E14-166 to 191	26	2 1/2 gal. Soda & Acid "	194.91
E14-202 to 293	12	1 1/2 qt. Pyrene "	89.96
23E5-2 & 3	2	200 kw west. 125-250 Gen. Sets	11,544.40
1E5-4	1	200 KW Ridgway " "	4,214.00
GE5-5	1	10 KW Gen. Set	392.00
1E15-1 to 6	6	600 Amp. 15,000V Circuit Breakers	4,998.00
1E15-7	1	1200 " " " "	931.00
2E7B-1 to 3	3	Sierra Hose Carts Hand Drawn	1,290.63
9F7-1	1	#22A C & L Fire Pot	9.16
7F20-1	1	#18 Lockformer Power Flanger	155.00
7F21-1	1	#4 Niagara Adj. Bar Folder	147.00
2F13-1	1	#3 Buffalo Oil Burning Forge	143.00
1F13-2 to 13 incl.	12	#17 Mohr " " Rivit Forge	1,495.41
1F14-1	1	40' Shape Heating Furnace	5,632.23
1F14-2	1	30' " " " "	4,457.98
7F15-1 to 10 incl.	10	#P3 Ransome Plumbers "	284.20
23G8-1 to 8 incl.	8	Gang Planks	4,975.45
13G5-1	1	Carbon Monoxide Detector	30.91
17G6-1 to 10 incl.	10	All Service M. S. A. Gas Masks	367.50
11G2-1 & 2	2	"Airc" 500# Cap. Asety. Generators	2,025.72
2G3-1	1	Wet Drill Grinder FIXED	536.12
2G3- 2 & 3	2	#1 1/2 B-8" " " "	85.10
G3-4 to 6 incl.	3	#5U "Hisey" 14 x 3 "	844.54
21G 3-7	1	#5U " " 14 x 2 1/2 "	250.00
1G3- 8 & 9	2	7LA Heavy Duty Hisey "	1,144.00
8G3-10	1	1/2 HP Van Dorn "	56.64
5G3-11	1	#825 Oster Die Grinder Fixed	221.14
9G3-12	1	Baldor " " "	47.04
26G3-13	1	6" Junior B & D " " "	19.85
4G3-14	1	8" " " " " "	56.64
30G4-1 to 3 incl.	3	6" B&D Rotary " Portable	235.20
9G4-4	1	#253A Grindstone	10.53
26G4-5 to 14 incl.	10	6" Type "F" B&D " "	833.00
26G4-15 & 16	2	6" " " " " "	166.60
26G4-17 to 20 incl.	4	6" Van Dorn " "	333.20

MACHINERY AND EQUIPMENT
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Classification or Marking Number	Quantity	Description	Costs
26G4-21	1	6" Type "F" B & D PORTABLE	83.30
21G7-1	1	Ground Ways for Shipway #4	3,072.87
21G7-2	1	Ground Ways for Shipway #5	3,698.30
21G7-3	1	" " " " #6	3,872.64
21G7-4	1	" " " " #7	4,248.85
21G7-5	1	" " " " #8	4,326.73
1H1-1	1	100# Little Giant Power Hammer	735.63
1H1-2	1	Hanna Pinchbug Riveter	450.00
H2-1 to 3 incl.	3	#1 Sunbeam Fan Heaters	19.02
H2-4 to 9 incl.	6	#101-1350W Arvin Fan Heaters	26.46
H2-10 to 12 incl.	3	" " " " "	18.88
H2-13 to 18 incl.	6	3000W Vapor Type	330.36
9H4-1 & 2	2	10 Ton 20' left chain Horsts	508.24
9H4-3 to 5 incl.	3	5 Ton 20' " " "	449.46
9H4-6 to 10 incl.	5	5 " 12' " " "	668.85
9H4-11 to 16 incl.	6	3 Ton 20' " " "	590.52
9H4-17 to 22 incl.	6	2 Ton 20' " " "	467.52
9H4-23 to 25 incl.	3	2 " 9' " " "	200.67
9H4-26 to 37 incl.	6	1 1/2" 8' " " "	343.98
9H4-28 to 31 incl.	6	1 1/2" 20' " " "	412.80
9H4-32 to 49 incl.	12	1 " 8' " " "	516.00
9H4-50 to 55 "	6	3 Ton Screw - 10' left "	558.96
H4- 56 to 58 incl.	3	1 Ton 18' left "	179.46
5H4-59	1	1 Ton 10' " Tribloc "	51.48
1H4-60	1	1/2 Ton 8' Spur Gear "	38.42
5H4-61	1	1 Ton 14' " " "	49.69
2FH4-62	1	1 Ton 14' " " "	49.69
9H4-63 & 64	2	10 Ton 20' " " "	625.63
2H4-65	1	1 Ton Superior " "	49.39
3CH4-66 & 67	2	Model ML-1 Ton "	105.84
1H5-1 to 4 incl.	4	Type XR-3 P&H Hoists Electric	3,510.00
9H6- 1 to 6 incl.	6	#100 Young Hoists "Tackle Block"	135.00
9H6-7 to 18 incl.	12	#320 " " "	208.80
9H6-19 to 90 incl.	72	72 Wood Tackle Blocks	153.76
26H10-501 to 1000 incl.	500	10 ft. lengths 1 1/2" 4 ply Air Hose	1,083.00
26H10-1 to 500 incl.	500	50 ft. lengths 3/4" 4 ply Air Hose	5,959.58
31H11-1 to 25 incl.	25	75' " " 1/2" Acetylene "	410.12
31H11-26 to 160 incl.	135	100' " " " "	2,953.22
1H7-1	1	Sheet Metal Hood for Angle Furn.	1,320.30
17H12-1	1	#829 Elec. Hot Plate "Hospital Equip"	2.56
17H12-2	1	26"x76" Hosp. Couch	57.50
17H12-3	1	Hosp Dressing Carriage #4370	34.30
17H12-4	1	#CA 6843 Inhalator	190.50
17H12-5	1	Lamb's Examination Chair	129.36
17H12-6	1	16" x 20" Dressing Table	16.46
17H12-7	1	Ortho Lite #71 with stand	58.80
17H12-8	1	#3730 Utility Table 16 x 30	22.05
17H12-9	1	Kick Type Waste Pail	7.06
17H12 10 to 20 incl.	1	Misc Hosp Equip. see back of cards	27.30
1413-3	1	Press for closing Ident. Badges	50.00
1J1 1 & 2	2	Air Jacks for Bending Slabs	694.01
1J1 3 & 4	2	6 1/2 x 22 Air Jacks for Slabs	894.00
2J1 5	1	Joyce Leftmaster Jack	13.23
26J1 6 to 17 incl.	12	B1522 Norton Jacks 15 ton	731.24
26J1 18 to 21 incl.	4	B2522 " " 25 ton	370.44
26J1- 22 to 34 incl.	13	2 x 12 Locomotive Jack Screws	62.04
26J1 35 to 40 incl.	6	2 x 14 " " "	31.52
2J1 - 41 & 42	2	15 ton Style B1522 Norton Jacks	128.97
20J2-1	1	"Moak" 12" Hand Jointer	538.51

MACHINERY AND EQUIPMENT
CONTRACT DA MCo 12

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<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
2L2-1	1	"Axelson" 16" B Lathe 54" Between Cents. \$	4,213.78
2L2-2	1	" " " " " " " "	4,344.53
2L2-3	1	" " " " 78" " " "	4,430.23
2L2-4	1	" " " " " " " "	4,172.24
2L2-5	1	" 16"x12'10 $\frac{1}{2}$ "	4,821.50
2L2-6	1	#11 "Oisholt" Turret Lathe	9,219.37
2L2-7	1	30" x 12" Lodge & Shipley Lathe	3,611.31
2L2-8	1	27" x 18' " " " "	3,188.00
2L2-9	1	16" x 7' Oliver " "	1,750.00
2L2-10	1	16" x 6' Monarch " "	1,825.71
15 1 to 147 incl.	147	Units of Lockers Grouped 20-10-8, 2520 lockers	11,113.20
15-143 to 353 incl.	206	" " " 3500 "	16,900.00
7L7-1	1	#18 Lockformer-Sheet Metal	491.55
Location 1		Machinery Installations-Steel Shed	5,345.35
" 1		Cranes & Hoists Instal. " "	2,514.60
" 1		Angle Slab Foundation " "	1,373.70
" 1		Machinery " " "	4,289.07
" 2-5-6 etc.		" " Shops Building	620.31
" 2-5-6		" " " "	1,534.92
" 2-5-6		Cranes & Hoists Instal. " "	86.63
" 7		Machinery Foundation Sheet Metal	1,385.27
" 11		Machinery Foundation Acety. Bldg.	1.25
" 15		" " Paint Warehouse	.23
" 19		" Installation	25.73
21-22-23		Whirley Crane Erection	37,576.18
23		Air Compressor & Equipment	1,804.94
25		Metal Lockers Handling	3.96
26		Electric Welders	400.18
27		Machine Installation Boiler Plant	3,076.26
6M7-1	1	#7 "Aeromarker" Marking Machine	318.98
2M1-4	1	Set #124C Macrometers	26.71
2M1-3	1	" " "	24.74
2M1-2	1	" " "	24.74
2M1-1	1	Set #224K "	250.39
2M2-2	1	#2B Bryon & Sharpe Mill. Machine	6,421.70
16M5-1	1	Monorail System 4000# cap.	3,476.38
15P20-1	1	#33 Red Devil 5 Gal. Paint Mixer	195.02
15P20-2	1	Giant Paint Restorer	240.18
1P2-1	1	#502 Wallace Pipe Bend Machine	4,829.80
5P2-2 to 5 in cl.	4	#336 Black Hawk Pipe Bender	872.00
5P2-6	1	Wallace #500 Pipe Bend Machine	14,364.68
5P2-7 to 10 incl.	4	#336 Black Hawk Pipe Bender	872.00
5P19-1	1	"Toledo" Pipe Machine 1" to 2"	735.00
5P19-2 to 4 incl.	3	#502 Oster " "	667.38
2P7-1	1	24" x 24' x 6' American Planer	1,188.00
2P7-2	1	"Pond" 36" x 36" x 12' "	2,979.32
5P19-5	1	Oster Pipe Machine 2 $\frac{1}{2}$ " to 6" Cap.	3,235.96
6P19-6	1	#502 Oster " "	257.74
1P8-1	1	Platform Assembly Steel Shed	16,988.13
2P10-1	1	10" Melting Pot	4.81
1P11- 1 & 2	2	Baldwin 400 Ton Press-Hydraulic	47,735.45
1P11-3	1	125 Ton " "	7,152.46
7P12-1	1	#5 Niagara " Mechanical	818.30
27P23-1	1	Worthington #3DE7 Cent. Pump	145.60

MACHINERY AND EQUIPMENT
 CONTRACT DA MCo-12

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<u>Classification or marking number</u>	<u>quantity</u>	<u>Description</u>	<u>Costs</u>
27P23-2	1	Worthington #4 Dell Cent. Pump	\$ 263.00
27P23-3	1	" #2D-12 " "	101.20
27P23-4	1	" #4L-1 " "	414.90
2F15-1	1	4 Cyl. Hyd. Pump	416.95
1F18-3	1	Tickers V2334 Pump	274.00
7F17-1 to 3 incl.	3	#12 Whitney Punches	61.74
6F17-4	1	#20 " "	48.51
7F17-5 to 10 incl.	6	#7 " "	72.03
1F18-1	1	#7-48" King Punch-Power	4,304.33
1F18-2	1	13" " " "	2,701.43
1F21-1	1	Punch & Die	376.00
7F22-1	1	" & Shear #55	1,126.00
7R2-1	1	Rack for Angle & Flat Bar Storage	206.63
22R2-2		Racks for Plate Storage	35,504.23
5R2-3		" " Pipe "	474.53
31R11- 1 to 10 incl.	10	#10 Radiographs with Torch Arm	
31R11-11 to 27 "	17	#4 " without " "	1,613.40
19R14-40 to 103 "	64	Restaurant Dining Chairs	3,892.33
19R-1 to 39&104 to 183 Misc.		" Equipment Per Cards	208.00
31R12-1 to 84 incl.	84	#8200 Oxygen Regulators	11,980.00
31R12-85 to 168 "	84	#8202 Acetylene "	1,478.40
31R12-169 to 188 incl.	20	#8650 Oxygen "	1,344.00
31R12-189 to 208 "	20	#8652 Acetylene "	192.00
5R12- 209 to 210 "	2	#8202 " "	32.00
5R12- 211 to 212 "	2	#8200 Oxygen "	31.20
5R12- 213 & 214 "	2	#8202 Acetylene "	32.00
5R12 - 215 & 216 "	2	#8200 Oxygen "	35.20
2R12-217	1	#8202 Acetylene "	16.00
2R12- 218	1	#8200 Oxygen "	17.60
9R15- 1 to 440 incl.	440	Pieces, Strongbacks, clamps, etc.	3,905.27
9R15-441 to 650 "	210	Wire Rope & Manila Rope Slings	2,804.04
1R5-1	1	"Pope" 7 Roll Plate Strt. Roll	23,195.50
1R5-2	1	" Horizontal Plate Bend. Roll	7,075.00
7R6-1	1	#172 Niagara Comb. Machine-Roll	427.99
7R6-2	1	#229 " Form "	1,408.66
7R6-5	1	#131 Beloit Bend. Roll	2,465.29
7R7-1	1	#331 Niagara Slip Form Roll	63.70
7R9-1	1	#131C " Comb Bench Machine	40.18
7R9-2	1	#164 " Univ. Rotary "	54.88
2334- 1 & 2	2	#91 B & D Port Elec. Sanders 7"	55.81
7334- 3 & 4	2	# B & D 7" Spec. Disc. "	88.30
29S34-5	1	7" B & D Comb Sander & Buffer	54.14
21S4-1	1	#20 Irvington Cut Off Saw Circ.	1,218.67
21S4-2	1	#58-42" Tilt Table Band Saw	803.86
8S4- 3 & 4	2	Model "O" Skilsaw with 10" Blade	232.24
8S4- 5	1	36" Sidney Band Saw	563.50
8S4- 6	1	T. nnewitz Tilting Saw Circ.	450.00
8S4- 7 & 8	2	Model 120 Mallsaw "	323.40
8S4- 9 & 10	2	#75 Black & Decker " "	174.93
8S4-11 & 12	2	#90 Mall Saws "	224.20
86- 1 to 3	3	#4B Armstrong Hack Saw-Power	1,491.00
736-4	1	#8 Wells Metal Cutting Band Saw	582.00
29S6-5	1	#8 Marvel " " " "	1,411.00
16S7-1	1	#30-500 lb Cap. Howe Scale	24.99
3237-4	1	#987 Howe "	24.38
238-1	1	Scarf Milling Machine	607.50
2337- 1 & 2	2	Wooden Scows 40' x 16' x 3'4"	2,484.08
2333-1	1	Set #37 1/2 Little Giant Screw Plates	32.52
2333-2	1	" " " "	32.53
2333-3	1	Set #540 " " " "	55.86
2333- 4 & 5	2	" # 40 " " " "	111.72
2333- 6	1	" #40 " " " "	55.86
9S27-1	1	#7-31 Sewing Machine	520.50

MACHINERY AND EQUIPMENT
CONTRACT DA MCo-12

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<u>Classification or marking number</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
2S9-1	1	28" "Kelly" Shaper	3,750.00
7S11-1	1	#05 Hendly Plate & Rod Shear	112.70
7S11-2	1	#62 Whitney Angle Iron "	93.10
30S11- 3 to 5 incl.	3	#21 Buffalo Angle Shear	151.41
30S11- 6 & 7	2	#B2 Beverly Shear	85.26
30S11-8 & 9	2	#1. Bremil Lever Bench Shear	43.12
7S11 - 10 & 11	2	#1 " " " "	43.12
9S11-12	1	#10 Hercules Cable & Bar Cutter	501.40
7S13-1	1	#1036 Libert Nibbling Machine	736.23
30S13-2	1	#144A 12 GA Stanley Unishear	147.00
7S13-3	1	#196F 96" Niagara Squaring Shear	890.00
26S31-1	1	#2 Snubber Tool	4.90
21S-1 to 3 incl.	3	Units 2000 ea. Tested Stage Planks	23,507.16
2S38-1 to 3 "	3	#376 Stock Reducting Tools for Lathe	259.38
17S32-1 to 16 incl.	16	Stokes Navy Type Stretchers	512.74
20S35-1 to 35 "	35	Strongbacks 12"x60"	6,153.98
1S28-1	1	Berger & Son Level (Surveing Inst.)	311.50
1S28-2	1	Dietzen Transit	467.50
2T3-1	1	36"x72" Layout Table	209.94
2T3-2	1	Test Table for Mach Shop	233.43
5T11-1	1	300 Gal. Hot Water Storage Tank	(no cost)
21T8-1 to 3 incl.	3	36"x96" Vertical Air Receivers	600.00
23T8-4 to 7 incl.	4	42" x 120" " " "	1,230.00
21T8-8	1	48" x 72" " " "	266.25
23T8-9	1	42" x 144" " " "	330.62
29T10-1	1	Wooden Tank 12'x4'x2'6" Lead lined	479.05
29T10-2	1	" " " " " "	516.82
2T34-1	1	Taper Boring Machine	213.56
21T31-1 to 10	10	Concrete Test Blocks	1,500.00
2T14-1	1	Acme Threading Machine	1,461.25
T16		Various Small Tools	10,950.42
2T17-1 to 4	4	#325 C&T Blow Torches	29.99
2T28-1	1	#654 Hank Oil Burn. Torch	124.50
31T28-2 to 81 incl.	80	#9066 Cutting Torches	1,430.40
31T28-82 to 106 "	25	#9803 Heating "	360.00
5T28 107 & 108	2	#9803 Welding "	28.80
T28-109 to 111 "	3	" " "	31.20
2T28-112	1	#9066 Cutting "	17.88
29T28-113 to 120 incl	8	Large Flame Heat Torches	86.26
31T30-1 to 4	4	#10 Radiograph Torch Holder Assemble	86.60
31T30 5 to 29 incl.	25	#828-4392 " " " Bracket	112.50
31T30-30 to 49	20	Torch Arm Assemblies	986.80
31T29 1 to 6 incl.	6	Radiograph Tracks 15" x 43'	1,516.08
31T29 7 to 36 "	30	#10 " " "	270.00
31T29 37 to 104 incl.	68	#4 " " "	918.00
1T33 - 1 to 4	4	Portable Track Sections 40' long	509.85
22T20 1 to 5	5	W2 Utility Dock Trailers	4,509.45
22T20-6	1	WX101B " "	2,960.10
5T32-1 to 3	3	1 Ton Model T Trolleys	57.62
5T32-4	1	1 Ton Wright	20.58
1T32-5 to 10	6	1 1/2 Ton S. A. Plain "	148.18
5T32-11	1	1 Ton " "	19.21
29T32-12	1	1 Ton " "	19.21
2T32-13	1	1 Ton Semi Steel "	13.23
31T24 1 to 24	24	#T7 Oxweld Acet. Weld Trucks	576.00
32T24 25 to 48	24	#J630 Nutting Platform "	2,210.16

MACHINERY AND EQUIPMENT
CONTRACT DA MCG-12

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<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
8T24-49 & 50	2	#201 Hand Trucks	\$ 18.48
T24-51 to 61 incl.	11	#52" American Trucks	146.50
16T24-62 & 63	2	#56 G " "	55.18
16T24-64	1	#59 G " "	34.39
16T24-65-66	2	#56 G " "	55.20
16T24-67	1	#59 G " "	34.39
25U1- 1 to 28	28	Yard Police Uniforms, etc.	1,733.61
21U1-1		Uprights on Way #4	8,703.06
21U1-2		" " " #5	9,833.93
21U1-3		" " " #6	9,877.34
21U1-4		" " " #7	10,334.60
21U1-5		" " " #8	10,490.80
15V1- 1 to 8 incl.	8	Paint Brush Vats	42.86
32V8 1 to 30 "	30	18" x 80' Ventilating Ducts	628.10
32V2-1 to 50	50	Model 3M-175 Coppus Blowers	7,207.74
5V2- 51 to 70 incl.	20	Model 10A Tornado Blowers	1,892.50
32V2- 71 to 86 incl.	16	Sawyer Volume	3,267.72
5V2- 87 & 88	2	Exhauster Fans	384.00
7V2- 89	1	#7 1/2 Sturtevant Fan	458.00
7V2-90	1	Exhaust System-Sheet Metal Shop	544.83
2V7-1 to 4 incl.	4	#6B Green Drill Press Vises	47.04
2V7-5 to 7 "	3	#900 Yankee Utility "	6.33
2V7-8 & 9	2	#3 Miller Falls "	3.43
1V7-10	1	#6B Green Drill Press Vise	11.76
5V6-1 to 20 incl.	20	#3 Toledo Pipe Vises	164.64
5V6-21 to 24	4	#3C-6 Rigid Pipe "	40.22
2V6-25 & 26	2	#27913 " "	17.64
9V6-27-28	2	#3 Toledo Pipe "	16.46
V5-1 to 18 incl.	18	#160-6" Morgan Mach. Vise	718.83
V5-19 to 24 "	6	#170-7" " " "	328.10
2V5-25 to 44 incl.	20	#150 " " "	470.40
2V5-45 to 50 incl.	6	#350 " " "	164.64
9V5-51 to 56 "	6	#150-5" " " "	141.12
7V5-57 to 59	3	4" Swivel Base Mach. Vises	47.48
25V5-60	1	4 1/2" Swivel Base Mach. Vises	18.61
25W3-1 to 384 incl.	384	SAE 300 Portable Lincoln Welders	179,942.40
25W3-385 to 434 incl.	50	SAE 200 J " "	11,330.23
32W3-435	1	Welding Power Unit for Umonmelt	3,593.14
32W3-436	1	" " " " "	2,069.46
32W3-437	1	" " " " "	2,069.46
32W-438-439	2	Nelson Arc Stud Weld. Machine	1,188.02
32W3-440-441	2	SAE 400 Lincoln Welders	1,020.00
32W3-442 to 444	3	Type "U" Umonmelt Welding Assm.	9,570.78
32W3-445 to 447	3	" I " " "	1,574.31
25W12- 1 to 30	30	Portable Welding Centers	7,053.27
		Total	\$1,677,988.02

SHIPYARD DEVELOPMENT
BUILDINGS AND STRUCTURES
CONTRACT MCc 1951

<u>Description</u>	<u>Costs</u>
Acetylene Generating Building #21	\$ 3,885.95
Acetylene Generating Building #22	5,056.11
A. D. T. System	3,969.69
Assembly Platform No. 5	2,064.49
Assembly Platform No. 6	2,441.31
Assembly Platform No. 7	2,485.40
Assembly Platform No. 8	2,830.71
Assembly Platform So. of No. 2 Outfit. Dock	1,976.63
Assembly Platform Shed "B"	8,586.74
Assembly Platform No. of No. 1 Outfit Dock	1,144.01
Assembly Platform Adjac. to No. 3 Outfit Dock	4,587.90
Assembly Platform No. of No. 2 Outfit Dock	1,981.10
Assembly Platform Between Peterman Warehouse & Dock 4	5,492.19
Bending Slab Shed	5,829.37
Bulkhead Along Wapato Waterway	13,392.73
Construction Office	10,570.85
Dredging	72,890.30
Engineering Fees	33,499.75
Engineering Expense	19,139.70
General Shops Building	1,963.43
Grading	27,595.92
Heating Lines	973.10
Hospital & Inspectors Building	2,800.02
Machinist Lead Man Office	443.05
Main Office Building	44.67
Main Office Building Annex	60,925.33
Improvement Cascade Timber Co. Land	23,122.81
Outfitting Pier No. 3	271.36
Outfitting Dock No. 4	587,262.04
Overhead	106,735.90
Oxygen Lines from Air Reduction Sales Co.	4,720.50
Permanent Fire Sheds	53.80
Power House	14,443.36
Production Office	3,040.29
Remodel Existing Craneway	1,855.27
Remodel Peterman Boom Mans Shack	473.03
Remodel Peterman Dry Kiln	5,554.93
Remodel Peterman General Office Building	2,609.35
Relocation Peterman Maintenance Building	1,192.92
Remodel Peterman Maintenance Building	3,958.04
Remodel Peterman Power Plant	8,540.50
Remodel Peterman Sawmill	69,169.34
Remodel Peterman Storage Shed	734.48
Remodel Peterman Warehouse	108,131.13
Remodel Portion Sizer Building - Draft. Office	178.00
Remodel Portion Sizer Building - Sheet Metal Shop	14,596.80
Small Parts Erection Shed	590.29
Steel Checkers Office	1,142.10
Steel Shed "B"	8,528.90
Telephone - Telegraph	164.46
Toilet Building - Outfitting Dock No. 3	1,363.15
Toilet Building - Whirley Runway 3	1,213.51
Toolroom No. of Mold 107	9,897.10

SHIPYARD DEVELOPMENT
BUILDINGS AND STRUCTURES
CONTRACT MCc 1951

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<u>Description</u>	<u>Costs</u>
Toolroom Alterations - Mold loft Building	951.00
Tool & Dry Sheds	1,167.65
Transformer Houses	1,257.06
Wiring Yard	85,514.11
Yard Air Lines	1,107.81
Yard Fencing	3,777.02
Yard Oxygen & Acetylene Lines	31,208.63
Yard Paving & Roadways	55,541.50
Yard Railroad	32,802.04
Yard Sewer System	7,047.92
Yard Water System	13,759.93
	<u>\$1,506,144.55</u>

OFFICE FURNITURE AND EQUIPMENTContract MCo 1951.

<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Cost</u>
13A-1-33 to 40	8	#8120 H P Underwood Add. Mach.	\$1,368.00
13A1-41 to 46	6	#10120 H P Underwood Add. Mach.	1,161.00
13A1-47 & 48	2	#9370-5 Remington Add. Mach.	333.00
13A1-49 to 51	3	#9371-5 Remington Add. Mach.	432.00
13A-1-52 & 53	2	#938-5 Remington Add. Mach.	324.00
13A1-54	1	#93101-5 Remington Add. Mach.	184.50
13A1-55 to 57	3	#73101-5 Remington Add. Mach.	391.50
13A1-58 & 59	2	#93100-5 Remington Add. Mach.	414.00
13A1-60	1	#93101-13 Remington Add. Mach.	207.00
13A1-63 to 74	12	#8120-P Underwood Add. Mach.	2,052.00
13A1-87 to 92	6	Barrett Portable Add. Mach.	960.00
13B19-3	1	Sundstrand Acct. Machine	819.00
13C1-11	1	20 Drawer Cabinet for Blueprints	160.22
13C4-21	1	8 Column Friden Calculator	340.00
13C4-24	1	Felt & Tarrant K Comptometer	395.00
35039-1 to 185	185	Used Plywood Opera Chairs	229.25
13C10-372	1	Oak Posture Chair	14.00
13C10-421 to 490	70	Oak Revolving Chairs No Arms	910.00
13C10-491 to 540	50	Oak Posture Chairs	700.00
13C10-541 to 567	27	Oak Strt. Side Chairs	145.80
13C10-568 to 570	3	"Domore" Posture Chairs	73.50
13C10-571 to 581	11	Oak Posture Chairs	154.00
13C10-582 to 655 incl.	74	Oak Revolving Chairs No Arms	962.00
13C10-656 to 719	64	Oak Posture Chairs	896.00
13C10-720 to 786	67	Oak Strt. Side Chairs	402.00
13C10-791	1	Metal Posture Chair	6.93
13C10-927 to 930	4	#91000 Sitwell Steel Posture Chairs	93.50
C10-1163 to 1181	19	#201 Strt. Side Chairs	80.75
C10 1182 to 1187	6	#200 Strt. Side Chairs	27.00
C10-1226 to 1261	36	Fir Strt. Side Chairs	108.00
C10-1262 to 1277	16	#201 Strt. Side Chairs	68.00
13C 14-1	1	Acme Elec. Time Clock	28.91
14C 16-A	1	#2 Seth Thomas Clock	6.32
13C 16-9	1	#2 Seth Thomas Clock	6.32
13C16-10 to 13	4	#2 Seth Thomas Clock	25.28
13C16-14 to 16	3	#2 Seth Thomas Clock	19.35
C16-17 to 19	3	#2 Seth Thomas Clock	16.95
13C17-33 to 35	3	Oak Costumers	15.75
13D20-1 & 2	2	Daveno	99.67
13D20-3	1	Daveno	54.45
13D1-163 to 166	4	60" Pedestal Type Oak Steno. Desks	236.00
13D1-171 to 191	21	60" Flat Top Oak Desks	1,071.00
13D1-192 to 227	36	60" Pedestal Type Oak Steno. Desks	2,124.00
13D1-228	1	Spec. Oak Comptometer Desk	47.00
D1-229 to 235	7	60" Oak Flat Top Desks	337.00
D1-236 to 247	12	60" Oak Steno. Desks	708.00
D1-248 to 259	12	60" Fir Masonite Top Desks	447.00
D1-260 to 264	5	60" Oak Flat Top Desks	255.00
D1-265 to 291	27	60" Pedestal Type Oak Steno. Desks	1,693.00
13D1-292	1	Oak Comptometer	65.00
D1-374 to 387	14	"Victory" Fir Desks	521.50
13D1-388 to 389	2	30 x 60 Posting Desks	116.24
D1-454 to 468	15	60" Victory Fir Desks	558.75
D1-499 to 508	10	60" Victory Fir Desks	372.50
13D 6-1	1	Bruning Plan Mesurer	6.25
13D 7-54 to 58	5	42 1/2 x 120 x 1 3/4 Drawing Boards	282.50
13D 7-59 to 61	3	42 x 72 Drawing Boards	57.60
33D 13-6 & 7	2	#92 A B Dick Mimeographs	855.00
13D13-8	1	#9044 Ditto Mach.	465.00
13D13-9	1	310 Ditto Mach.	795.00

OFFICE FURNITURE AND EQUIPMENT
Contract MGC 1951

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Cost</u>
13E18-1 & E	2	#3820 Elec. Erasing Machines	28.00
13E-17-1	1	#815 Gallet Stop Watch	25.00
13E17-2	1	Vibrometer	65.90
13E17-10 to 13	4	Model 430 DC Ammeters	130.34
13E17-14 & 15	2	Model 430 Millivoltmeters	84.01
13E17-16 & 17	2	100 Amp. External Shunts	8.40
13E17-18 & 19	2	200 Amp. External Shunts	8.40
13E17-20 & 21	2	DC Industrial Analyzers	279.00
13E17-23	1	Observatory Barometer	75.26
13E17-34	1	Krene Diesel Indicator	80.50
13E17-35 & 36	2	Cylindrical Screen Strainers	84.00
13E17-37	1	J Chatillon Dynamometer	35.00
13E17-41 to 46	6	Steel Thermometer Walls	22.50
13F2-1	1	#77648 AL Emerson Fan	20.55
F2-2 to 51	50	#77646 AL Emerson Fan	279.55
13F2-52 & 53	2	16" Victory Oscillating Elec. Fan	53.19
13F4-216 & 217	2	2 Dr. 5 x 8 Steel Card Files	12.94
14F4-218 to 223	6	2 Dr. 3 x 5 Card Files	24.99
13F4-224 to 232	9	2 Dr. 5 x 8 Card Files	52.04
14F4-233 to 244	12	2 Dr. 3 x 5 Card Files	45.87
13F4-245 to 270	26	4 Dr. Legal Size Steel Files w/Lock	1,274.00
13F4-271 to 306	36	4 Dr. Legal Size Steel Files no/Lock	1,634.00
22F4-309 to 314	6	3 Dr. Legal Size Steel Files no/Lock	265.00
22F4-315-316	2	3 Dr. Legal Size Steel Files no/Lock	73.50
13F4-317 & 318	2	2 Dr. Legal Size Steel Files w/Lock	72.00
13F4-319	1	2 Dr. Legal Size Steel Files no/Lock	31.00
13F4-320 to 324	5	4 Dr. Legal Document File no/Lock	340.00
F4-325 to 353	29	4 Dr. Legal Size Steel File w/Lock	1,421.00
F4-354 to 393	40	4 Dr. Legal Size Steel File no/Lock	1,720.00
13F4-394	1	#919B.1 Tabulating Card File	214.98
7F4-395- to 410	16	3 x 5 2 Dr. Steel Card File	61.15
13F4-411	1	#2109.1 Tabulating Card Safe File	230.61
F4-412 to 421	10	4 Dr. Legal Size Steel File no/Lock	430.00
F4-422 to 440	19	4 Dr. Legal Size Steel File w/Lock	931.00
13F4-441 to 444	4	4 Dr. Legal Size Steel File w/Lock	137.00
13F4-452 to 461	10	#448 Steelcase 4 Dr. Steel Files	669.73
35F4-462-463	2	#1677 2 Dr. Legal Size Files	82.00
13F4-464	1	2 Dr. Legal Size Files	35.00
14F4-465 to 471	7	3 x 5 2 Dr. Steel Card Files	26.75
13F4-472 to 476	5	5 x 8 2 Dr. Steel Card Files	28.91
14F4-477 to 478	2	3 x 5 2 Dr. Steel Card Files	8.40
13F4-479 to 482	4	5 x 8 2 Dr. Steel Card Files	21.60
14F4-504 to 510	7	3 x 5 2 Dr. Steel Card Files	29.75
5F4-547	1	3 x 5 2 Dr. Card Files	4.67
12F4-548	1	5 x 8 2 Dr. Card Files	5.40
13F4-549-550	2	5 x 8 2 Dr. Card Files	11.55
F551 to 560	10	#2258 2 Dr. 5 x 8 Steel Card Files	72.00
F561 to 573	13	3 x 5 2 Dr. 5 x 8 Steel Card Files	59.15
13F4-589	1	2 Dr. Legal Size Steel File	25.50
17H-3-1	1	Collins 42 gal. Hot Water Tank	53.60
13H-3-2	1	Collins 30 gal. Hot Water Tank	69.60
14T3-4	1	Crimping Machine - Foot Press	70.96
13I1-11 to 13	3	#D1685 Kardex Cabinets	436.59
15I-1-25	1	RR-IVI Installation	1,070.90
16I1-40	1	5 x 3 14 Slide Kardex File	75.15
13I1-41	1	8 x 5 16 Slide Kardex File	116.74
13L9-5 & 7	2	#1540-4' Curtis Fluor. Units	29.01
19-8 to 17	10	M1656 Guth Fluor. Fixtures	117.60
119-18	1	#1989 Faries Desk Lamp	8.00
13L9-19 & 20	2	M1640 Guth Fluor. Lamp	18.86
13L9-21 to 35	15	#3494-1B1 Dazor Fluor. Lamp	126.00
16L9-36 to 47	12	M1656 Guth Fluor. Lamp	138.18
119-43	1	#1909 Faries Desk Lamp	8.00
13L9-45 & 54	6	#395 Eagle Desk Lamp	7.41

OFFICE FURNITURE AND EQUIPMENT
Contract MCo 1951

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Cost</u>
1319-55 to 56	12	#2124-10 Dazor Lamp	148.88
1319-57 to 59	3	#1134 18" Dazor Fluor. Lamp	27.22
1319-70 to 84	15	Dazor Fluor Lamp	136.60
1319-85	1	#6034 Greist Desk Lamp	9.95
1319-88 to 90	3	#1134-18 Dazor Floor Lamp	53.51
1318-16 to 24	10	20" Line-a-Times	195.00
13-25 to 42	18	Riteline Copyholders	214.30
1318-43 to 45	3	Visi-copy copyholders	32.34
1318-48 & 49	2	12" Line-a-Times	35.00
13M6-2	1	Model A5 Elec. Envelope Opener	235.00
13M8-3	1	18 Leaf Map Board	79.90
35M13-1	1	Bell & Howell Projector	904.62
13N1-8 & 7	2	6 Wheel Bates Numbering Mach.	36.26
13N1-8 & 9	2	8 Wheel American Numbering Mach.	27.44
13N1-10	1	Bates Numbering Mach.	18.13
13N1-11	1	6 Wheel Bates Numbering Mach.	17.25
35N1-12	1	Bates 6 Wheel Numbering Mach.	17.15
13N1-10	1	13 Section Wood Rack	5.00
13N1-11	1	Tabulating Card Sorting Rack	55.00
13N18-1 to 3	3	BNK Registers	76.60
14N18-4 & 5	2	#SNKF 12 Registers	51.00
S30-14 to 19	6	Steel Typewriter Stands	24.00
33322-45 to 149	105	30" Draftsman's Stools	225.50
S22-160 to 314	165	30" Draftsman's Stools	307.23
36322-355 to 446	92	30" Draftsman's Stools	174.80
13T2-120	1	Gray Kardex Table	37.90
13T2-124 to 129	6	60" Oak Tables	180.00
13T2-150	1	72" Oak Tables	34.00
13T2-131	1	Carbon De Collatur Table	2.10
T2-132 to 159	28	60" Oak Tables	840.00
T2-160 to 243	84	60" Fir Tables Masonite Tops	1,827.00
T2-244 to 260	17	60" Oak Tables	510.00
13T2-301	1	Spec. 44" x 114"	60.59
T2-302 to 325	24	34 x 60 Fir Tables Masonite Top	322.29
T2-326 to 337	12	30 x 60" Fir Tables Masonite Top	205.11
14T2-338 to 541 & 538A 339A	6	30 x 54" Fir Tables Masonite Top	87.55
T2-342 to 360	19	34 x 60" Fir Tables Masonite Top	457.93
T2-361 to 381	21	34 x 60" Fir Tables Masonite Top	431.68
13T2-382 to 397	6	34 x 60 Fir Tables	118.43
T2-398 to 393	6	34 x 60 Fir Tables	111.96
35T2-394 to 405	12	24 x 8' Fir Conference Table	184.95
12T2-406 & 407	2	5' x 6' Fir Tables	109.98
16T2-408 to 415	8	24 x 26 Fir Type Tables	97.56
T2-416 to 423	19	34 x 60 Fir Type Tables	311.54
13T27-69 to 71	3	14" Underwood Typewriters	172.50
13T27-72 to 75	4	12" Underwood Typewriters	220.00
T27-76 to 90	15	11" Underwood Typewriters	800.00
T27-91 to 93	3	11" Remington Typewriters	172.50
T27-94 to 100	7	11" Underwood Typewriters	400.00
T27-101 to 110	10	14" Royal Typewriters	790.00
T27-112 to 113	2	11" Underwood Typewriters	100.00
T27-114 to 118	5	14" Underwood Typewriters	297.50
T27-119 & 120	2	12" Underwood Typewriters	125.00
T27-121 to 147	27	14" Woodstock Typewriters	1,836.00
T27-148 to 150	3	12" Woodstock Typewriters	195.00
14T27-151	1	14" Royal Typewriter	65.00
T27-153 to 155	3	18" Woodstock Typewriter	207.00
T27-152	1	12" Underwood Typewriter	65.00
13T27-170	1	11" Underwood Typewriter	50.00
13V9-1	1	Hamilton Beach Vacuum Cleaner	46.69

854,511.68

MACHINERY AND EQUIPMENT CARDS
CONTRACT W/C 1951

<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
26A3-34	1	R02 Thor Chipping "Hammers"	\$ 60.00
26A3-35 to 39 incl.	5	R03 Thor Chipping "Hammers"	300.00
26A3-40 to 79 incl.	40	#R02 Thor Chipping "Hammers"	2,400.00
2A3-80 to 85 incl.	6	Baby Boyer Superior "Hammers"	300.00
26A3-86 to 94 incl.	9	#2 Chipping "Hammers"	225.00
8A4-51 to 70 incl.	20	#22J Multivane "Drills"	2,200.00
26A4-71 to 90 incl.	20	#22J Air Motors - "Drills"	2,200.00
26A4-91 to 96 incl.	6	#22L Air Motors - "Drills"	810.00
26A4-100 to 111 incl.	12	#4J Air Motors - "Drills"	2,160.00
26A4-112 to 122	11	#4K Air Motors	1,980.00
26A4-124 to 135 incl.	12	#5J Air Motors "Drills"	2,520.00
26A4-139 to 158 incl.	20	#33SKW Air Motors "Drills"	3,800.00
26A4-163 to 165 incl.	3	#22N Reversible Air Motor	405.00
26A4-166 to 168 incl.	3	#33 SM Reversible Air Motor	600.00
2A4-169 to 174 incl.	6	#20M Close Quarter "Drills"	1,140.00
26A4-175-176	2	#20M Close Quarter "Drills"	380.00
2A4-177 to 182 incl.	6	Thor L-257 Rotary Corner "Drills"	1,140.00
2A4-183 to 188 incl.	6	MSE Non Reversible Mult. "Drills"	990.00
2A4-189 to 193	5	#33SK Reversible Drills	950.00
2A5-25 to 49 incl.	25	#3F50 Multivane Drill "Grinders"	2,875.00
26A5-50 to 69 incl.	20	#40VB Portable "Grinders"	2,500.00
2A5-70 & 71	2	Size #1 Multivane "Grinders"	160.70
7A5-72 & 73	2	#22 BDG Arc. "Grinders"	120.00
A6-19 to 28 incl.	10	Chicago Pneumatic #365RF Impact Wrenches	2,600.00
26A6-29 to 38 incl.	10	#534 Ingersoll Rand Impact Wrenches	2,600.00
8A6-39 to 42 incl.	4	#504 Impact Wrenches	526.00
26A6-43 to 47 incl.	5	#365 RF Impact Wrenches Model AR	1,300.00
26A6-48 to 51	4	#534 Impact Wrenches	1,040.00
1A7-13 to 18 incl.	6	#60 Boyer "Riveting Hammers"	510.00
7A7-19 to 43 incl.	25	#CP8A Aero "Riveting Hammers"	1,607.79
26A7-44 to 67 incl.	24	#60 Air Cooled "Riveting Hammers"	2,040.00
26A19-1 to 3	3	#B12 I-R Air Saws	817.20
26A17-5 to 19 incl.	15	#K2L I-R Sealing Hammers	750.00
25A18-1 & 2	2	#361T Thor Sump Pumps	310.00
25A18-3 to 6 incl.	6	#25 I.R. Sump Pumps	1,080.00
29A8-2	1	300# Blacksmith Anvil	81.66
2A8-3	1	200# Blacksmith Anvil	69.39
2A8-5	1	160# Blacksmith Anvil	48.61
4A8-5	1	298# Blacksmith Anvil	58.41
2A21-1 to 14	14	#506 Morse Arbors	54.88
2A21-21 & 22	2	120T Reamer Arbors	7.74
25A13-1	1	Model A Buds Chore Boy	588.00
25A13-2	1	1/2 Ton Chevrolet Pickup Truck	829.25
25A13-3	1	1/2 Ton 1936 Ford Pickup Truck	300.00
25A13-4 & 5	2	Model A Buds Chore Boys	1,200.00
25A11-2	1	1 1/2 Ton 1942 Chevrolet Flatbed	1,458.95
25A20-1	1	Chevrolet Suburban Carryall	1,086.35
25A20-2	1	1942 Chevrolet Suburban Ambulance	1,295.44
6B26-1	1	#53 Universal Bender	62.50
25B26-2	1	Jim Crow Rail Bender	28.91
29B4-3 to 13	6	5' x 5' Cast Bending Slabs	925.35
2B4-14	1	60" x 60" Cast Bending Slabs	188.05
1B4-15	1	Unit Consisting 60-0 x 0 Slabs	13,074.78
13B23-1 & 2	2	Victory Model Bicycles	50.47
B28-3 to 5 incl.	3	#5070 Elgin Bicycles	98.85
16B6-1 to 10	10	Sections 8' x 20' Double Bins	814.43
5B6 - 11		Bins on Balcony Pipe Shop	252.00
23B 25-1	1	10' Skiff with Oars & Carlocks	30.00
27B11- 2 & 3	2	#263104 Birchfield Hot Water Boilers	3,782.80
2B24-16	1	Boring Bar 10" O.D. x 21' long	3,227.59
5B13-171 to 370 incl.	200	26" x 8" x 7" Sheet Metal Toolboxes	1,022.86
5B13-371 to 770 incl.	400	26" x 8" x 7" Sheet Metal Toolboxes	1,022.87
5B15-771 to 820 incl.	50	24" x 12" x 12" Sheet Metal Toolboxes	302.93

MACHINERY AND EQUIPMENT CARDS
 CONTRACT MCG 1951

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Classification Or Marking No.	Quantity	Description	Costs
2B13-821 to 1020 incl.	200	26" x 8" x 8" Sheet Metal Toolboxes	\$ 984.91
6B13-1021 to 2020	1000	12" x 12" x 24" Sheet Metal Toolboxes	4,460.16
2B13-2021 to 2220	200	7 1/2" x 8" x 26" Galv. Toolboxes	768.00
25B13-2221 to 2420	200	6" x 8" x 20" Wood Toolboxes	72.92
7B15-3	1	#1016 Chicago Forning Hand Brake	392.92
7B15-4	1	#816 Chicago Forning Hand Brake	250.94
7B15-5	1	8' Chicago Steel Bending Brake	75.00
7B15-6	1	Perto #697 Comb. Brake & Fold Mach.	212.00
27B22-3 & 4	2	#6 Ray Fuel Oil Burners	1,614.45
32C31 1151 to 1460	31,000 ft.	2/o Welding Cable	10,245.37
32C31-1461 to 2460	100,000 ft.	2/o Welding Cable	32,526.76
32C31-2461 to 3660	12,000 ft.	1/o Welding Cable	6,689.00
32C31-3661 to 4910		Welding Cable Conn SO/186	989.60
1C7-13 to 16	4	Steel Push Cars	126.80
24C8-1	1	100 Ton Railroad Flat Car	1,250.00
24C8-2 & 3	2	100 Ton Railroad Flat Car	3,950.00
2C34-2	1	Whiton Single Hd. Centering Mach.	530.00
2C12-9	1	8" x 24" L & W Magnetic Chuck	212.96
31C38-1 to 100 incl.	100	Circle Cutters	282.16
26C32-1 to 85 incl.	85	#2 Light Jack Clamps	1,095.13
26C32-86 to 100 incl.	10	#1 Heavy Jack Clamps	260.10
34C35-1	1	Portable Chem. Vapor Clean. Mach.	710.01
27P-23		Galv. Conduit Used Heating Plant	285.62
2C26-14	1	20'-12" I Beam Bridge Crane	200.00
1C26-15	1	80' Span 15 Ton Bridge Crane	3,461.59
5C26-16	1	#40 Budget Bridge Crane	231.06
29C26-17	1	#40 Budget Bridge Crane	231.07
2C27-16 & 17	2	Ton Jib Cranes	100.00
1C27-18	1	Jib Cranes	60.09
2C27-19 to 21 incl.	3	1 Ton Budget Jib Cranes	328.12
027-22 to 24 incl.	3	1 Ton Budget Jib Cranes	293.75
23C27-25	1	Stiff Legged Crane 15' Boom	661.70
1C27-26	1	Jib Crane	191.98
25C28-9	1	AV 10 Ton Crane Kar	9,000.75
25C28-11 & 12	2	Model 307 Gen'l Wagon Cranes	30,169.56
25C28-13 & 14	2	Model AXR Crane Kars	967.63
25C28-15	1	Vaughn Model T Mighty Midget	761.40
25C28-16 & 17	2	3500# Cap Clark Carloaders	4,779.25
25C28-18	1	6000# Cap Clark Carloaders	4,113.30
25C28-21	1	FA #A2321 Crane Kar	3,009.60
24C29-1	1	25 Ton Industrial Steam Loc. Crane	13,952.00
24C29-2	1	25 Ton Ohio Diesel Steam Loc. Crane	16,309.29
22C30-5 & 6 (See Card in ESP File)	2	Clyde Model 14E 115 Whirley Crane	2,790.46
23C30-11 to 15	5	50 Ton Whirley Cranes	175,612.46
31C33-6 & 7	2	#1 Pipe Cutting & Beveling Mach.	315.00
31C33-8 & 9	2	Oxweld CM16 Shape Cutting Mach.	459.40
25D19 1 & 2	2	Pedestal Type Gas Pumps Storage Diesel Oil	250.00
25D19-3	1	Steel Tank 7' x 29' Storage	705.00
1D9-10	1	#15 Buffalo Drill Press 1/2" Cap.	69.09
7D9-11 & 12	2	#73-15" Atlas Drill Press 1/2" Cap.	131.40
6D9-13	1	21" Canady-Otto Drill Press	356.72
2D9-14 to 19 incl.	6	21" Canady-Otto Stat. Floor Drill Press	2,244.00
2D9-20 to 23 incl.	4	#63-15" Atlas Heavy Duty Bench Drill Press	346.00
6D9-24 & 25 incl.	2	#63-15" Atlas Heavy Duty Bench Drill Press	132.00
6D9-26 to 29 incl.	4	#63-15" Atlas Heavy Duty Bench Drill Press	264.00
6D9-30	1	26" Barnes Drill Press	250.00
2D9-31	1	1/2" Hi Speed Pedestal Drill Press	200.00
2D9-32	1	Craftsman Tilting Table 15" Drill Press	65.00
6D9-33 & 34	2	#950 Walker Turner Bench Drill Press	133.00
1D9-35	1	21" Champion Floor Drill Press	407.50

M. CHINERY AND EQUIPMENT CARDS
 CONTRACT NO. 1961

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
7D11-123 to 222 incl.	100	5/16 B & D & Van Dorn HD Elec. Drills	\$ 3,760.26
6D11-223	1	1/2" HD Black & Decker Drills	50.15
6D11-224 to 227 incl.	4	#830-2000 1/2" Standard Drills	112.00
30D11-228 to 277 incl.	50	#830-2000 1/2" Standard	1,372.00
26D11-278 to 280 incl.	3	#901-900-3/8" Universal Drills	134.07
26D11-281-282	2	5/8" HD Blk. & Decker Drills	142.30
26D11-283-284	2	1/2" HD Blk & Decker Drills	100.26
26D11-285 to 288 incl.	4	1/2" HD Blk. & Decker Drills	132.69
20D11-289	1	#36-3/8" Blk & Decker Utility Drill	35.08
2D11-293	1	5/8" Van Dorn Elec Drill	35.00
2D11-294	1	1/2" Van Dorn Elec. Drill	25.00
5D11-295-296	2	5/16" B & D Utility Drills	59.98
5D11-297 to 308 incl.	12	5/16" Utility B & D	339.69
8D11-348 to 352 incl.	5	3/4" HD Blk & Decker Drills	591.51
2D12-3	1	Gilbert Multi Duty Radial Drill	5,560.50
6D12-6	1	3" Radial Drill #4 Shank	700.00
1D16-3 & 4	2	Standard "Toggle Bug" Drill Mach.	2,063.43
6E16-1	1	Storage Battery Charging Set	147.00
18E10-3	1	Switchboard 23 Panels	23,367.57
23E5-7	1	300 KW Motor Gen. Set	6,005.13
6E6-1	1	3 HP 1800/1800 Elec. Motor	49.15
6E6-2 See Card	1	1/2" Wagner Motor	No Costs
18E12-54 & 55	2	5 KVA 2200/440 V Transformers	105.84
18E12-56 & 57	2	200 KVA-2200/220/440 Transformers	1,205.40
E12-58 & 59	2	200 KVA Type H60-2400V Transformers 120/240	1,657.10
18E12-60 to 62 incl.	3	2000 KVA 15800/2400 Transformers	11,217.00
E12-63 to 78 incl.	16	333 KVA 2400/480/240 Transformers	17,584.00
E12-79 to 86 incl.	8	200 KVA 2400/240/120 Transformers	6,144.00
E12-87 to 104 incl.	18	333 KVA 2400/480/240 Transformers	21,082.50
E12-105 to 110 incl.	6	200 KVA 2400/240/120 Transformers	5,033.50
E12-111 to 113 incl.	3	333 KVA 2400/4160Y 240/480 Transformers H-60	3,513.75
18E12-114 to 116 incl.	3	550 KVA 2400/220/1102 Transformers	2,100.00
13E12-118	1	100 KVA GE 2200/220/110 Trans. See Card	No Cost
E14-192 to 195 incl.	4	1 1/2 qt. Pyrene Fire Extinguishers	33.32
E14-196 to 219 incl.	24	4 lb. CO2 Portable Extinguishers	525.80
E14-220 to 227 incl.	8	5 gal. Back Pack Pump Can Extinguishers	75.33
E14-228 to 243 incl.	16	5 gal. Back Pack Pump Can Extinguishers	150.66
E14-244 & 245 incl.	2	1 1/2 gal. Tetrachloride Transformers	16.66
25E14-246 to 257 incl.	12	2 1/2 gal. Foam Fire Extinguishers	123.48
25E14-258 to 281 incl.	24	4 lb. CO2 Shut Off Type Extinguishers	516.26
E14-294 to 309 incl.	16	2 1/2 gal. Soda & Acid Extinguishers	133.28
E14-310 to 328 incl.	19	1 1/2 qt. Pyrene Tetra Can Extinguishers	138.72
10E14-329 & 330	2	#D15-CO2 Extinguishers	96.04
E14-331 & 332	2	#FX13-2 1/2 gal. Foam Can Extinguishers	18.52
21E14-333 to 350 incl.	18	WB2 1/2 gal. Pump Anti Freeze Extinguishers	222.26
E14-351 to 374 incl.	24	1 1/2 qt. Pyrene Fire Extinguishers	179.93
25E14-375 to 424 incl.	50	2 1/2 gal. Pump Cans & 20 Ft Hose	516.95
25E14-425 to 624 incl.	200	5 gal. Pump Cans	1,871.09
25E14-625 to 672 incl.	48	1 1/2 qt. Pyrene Fire Extinguishers	359.86
25E14-721 to 741 incl.	21	1 1/2 qt. Fire Extinguishers	193.45
E14-757	1	2 1/2 gal. Soda & Acid Extinguishers	14.70
2F-23-1	1	5" Facing Bar with Motor Drive	264.24
16F6-1 to 20 incl.	20	50' lengths 2 1/2" Fire Hose	686.00
16F6 21 to 30 incl.	10	Open Nozzles for 2 1/2" Fire Hose	30.87
25F8-4	1	Fire Hose Cart Style F #103	73.21
25F8-5	1	Steel Wheel Hose Cart	433.60
7F7-2 to 7 incl.	6	#180-1 gal C & L Fire Pots	76.44
7F7 - 8	1	C & L Fire Pot with Coil Unit	13.65
7F20-2	1	#18 Lockformer Power Flanges	147.00
7F21-2 to 4 incl.	3	#4 Niagara Adj Bar Folder	460.85
7F21-5	1	Fexto 30" Folder	35.00
2F22-1 to 3 incl.	3	Follow Rests for Axelson Lathes	158.44

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<u>Classification or Parting No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
2F13-14	1	#3 Buffalo Oil Burning Forge	\$ 122.00
1F13-15 to 28 incl.	14	#17 Mahr Oil Burning Rivet Forge	1,837.84
1F13-29 to 38 incl.	10	#17 Mahr Oil Burning Rivet Forge	1,312.74
1F14-1	1	Steel Roller Shaft for 40' Angle Furnace	49.75
7F15-11 to 34 incl.	24	P3 Ransome Plumber Furnaces	776.16
6F15-35 & 36	2	P3 Ransome Plumber Furnaces	68.60
6F15-37 & 38	2	Ransome Plumber Furnaces	68.60
2308-9 to 20 incl.	12	Gang Blanks 4'6" x 48" & 2 Cast Wheels	4,801.59
201-1	1	50 gal. Wayne Portable Gas Tank	20.00
1601-2	1	50 gal. Gas Dispensing Unit	100.00
1601-3	1	#484 Rotary Hand Pump	44.30
8801-4 & 5	2	60 gal. Gas Dist. Units	77.09
1102-3 to 6	4	500# Airco Acetylene Generators	4,266.90
1107-7	1	Airco Acetylene Generators	1,089.54
2506-11 to 58 incl.	48	M.S.A. All Service Gas Masks	1,963.92
203-15	1	#10 Brown & Sharpe Grinder	2,131.69
703-16	1	U S Autostart Pedestal Grinder	230.00
703-17 & 18	2	8" Heavy Duty Elec Bench Grinder	100.28
203-19 to 21 incl.	3	8" Black & Decker Elec. Bench Grinder	150.45
603-22 & 23	2	8" Black & Decker Elec. Bench Grinder	100.29
603-24 & 26	2	#11F Queen City HD Floor Grinder	220.20
803-25	1	3 3/4 x 36" Grindstone	158.51
203-27 to 29	3	Hisey Wolf #6U Pedestal Grinder	935.58
103-30 & 31	2	Hisey Wolf #6U Pedestal Grinder	604.00
103-32	1	8" Black & Decker Bench Grinder	56.64
203-33	1	10" x 20" Landis Shaft Grinder	400.00
203-34	1	#60 Heath Internal Grinder	300.00
203-35	1	HP 8" Van Dorn Tool Grinder	30.00
203-36	1	#2 Speed Lathe Grinder	180.00
203-37	1	Dunlap 6" Double End Grinder	16.95
203-38	1	HD Tool Post Grinder	50.00
203-39	1	#91A Covell Cutter & Grinder	3,786.09
203-40	1	#11F Queen City Grinder	253.33
203-41	1	Baldor Grinder #22-C	101.20
603-42 & 43	2	8" Black & Decker Bench Grinder	102.62
1303-44	1	6" J Black & Decker Bench Grinder	22.05
103-45	1	8" Black & Decker Bench Grinder	56.64
704-1 to 6 incl.	6	4" Black & Decker Portable Grinder	274.37
2604-7 to 41 incl.	35	6" Black & Decker Portable Grinder	2,768.27
204-63	1	#12 Dumore Grinder	313.11
2604-66 to 85 incl.	20	#1195-6" Sioux Portable Grinder	1,666.00
H14-1 & 2	2	Model 4109C Superflame Oil Heaters	75.00
14H2-10	1	Vapor Type Radiator 3000 W	49.70
8H2-20	1	WH #9230 Heater	21.51
14H2-21	1	#201 A Ivory Arvin Heater	7.97
16H2-22	1	#201 A Ivory Arvin Heater	7.96
13H2-23 to 28 incl.	6	HF 161 Thermador Heater	48.51
9H4-68 to 79 incl.	12	1 Ton Spur Geared Chain Hoists	619.16
9H4-80 to 97 incl.	18	1 1/2 Ton Spur Geared Chain 14' lift	1,307.21
9H4-98 to 101 incl.	4	10 ton Spur Geared Chain 20' lift	1,220.11
5H4-102 to 109 incl.	8	1 ton Spur Geared Chain 8' lift	456.35
29H4-110 to 113 incl.	4	1 ton Spur Geared Chain 10' Lift	250.00
274-114 & 115	2	5 Ton Spur Geared Chain 14' Lift	530.68
284-116 & 117	2	3 ton Spur Geared Chain 14' Lift	218.30
9H4-118 & 119	2	5 ton Spur Geared Chain 12' Lift	321.05
9H4-120 to 122 incl.	3	5 ton Spur Geared Chain 20' Lift	540.81
16H4-123 & 124	2	1/2 ton Spur Geared Chain 8' Lift	80.26
2H4-125 to 128 incl.	4	1 ton Spur Geared Stand. Lift	160.52
29H4-129 & 130	2	1/2 ton Spur Geared Stand. Lift	80.26
6H4-131	1	1 ton Spur Geared Stand. Lift	51.60
1H4-132	1	1 ton Spur Geared 8' Chain Lift	41.16
9H4-133 to 136 incl.	4	5 ton Beebe Utility Hoist	294.00

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
1EH4-137 & 138	2	1/2 ton Spur Gear Chain Hoist	\$ 82.32
EH4-139 & 140	2	1 ton Chain Blocks	50.00
EH4-141 & 142	2	1/2 ton Spur Gear Chain Hoists	82.32
EH4-143 to 145 incl.	3	1 Ton Spin Gear Chain Hoists	154.79
EH4-146	1	1 Ton Spin Gear Chain Hoists	52.92
EH4-147 to 149 incl.	3	1/2 Ton Spin Gear Chain Hoists	123.47
EH4-150 to 155	6	1/2 Ton Wright Chain Hoists	16.59
EH4-156	1	1 Ton Chain Hoists	52.92
EL3-1 & 2	2	#CR 8897 M.S.A. Dust Hoods	10.78
EL3-3	1	#1 Jackson	4.65
EL3-4 to 12	9	Bullard Respirators Dust Hoods	80.70
26H10-1001 to 1700	35,000 ft.	3/4" Air Drill Hose (700 ft.-50 ft. lgths.)	9,338.76
26H10-1701 to 2200	5,000 ft.	1/2" Air Drill Hose (500 ft. - 10 ft. lgths.)	1,319.03
26H10-2201 to 2240	2,000 ft.	3/4" Air Drill Hose 40-50 ft. Lengths	445.90
26H10-2241 to 2320	4,000 ft.	3/4" Air Drill Hose 80-50 ft. Lengths	891.80
31H-161 to 400 incl.	24,000 ft.	5/16" Weld. Hose 240-100 ft. Lengths	6,141.30
31H12-401 to 406	300 ft.	3/8" Weld. Hose 6-50 ft. Lengths	42.51
31H11-407 to 412	300 ft.	3/8" Weld. Hose 6-50 ft. Lengths	42.50
31H11-413 to 612	20,000 ft.	5/16" Welding Hose	4,909.73
31H11-613 to 632	2,015 ft.	1/2" Welding Hose 20-100 ft. Lengths	472.32
31H11-633 to 672	2,000 ft.	1/2" Welding Hose 40-50 ft. Lengths	274.40
31H11-673 to 712	2,000 ft.	1/2" Welding Hose 40-50 ft. Lengths	279.89
31H11-713 to 812	5,000 ft.	3/8" Welding Hose 100-50 ft. Lengths	500.95
31H11-813 to 862	5,000 ft.	5/16" Welding Hose 50-100 ft. Lengths	1,276.34
31H15-1	1	25 ft. 1 1/2" Sandblast Hose	19.60
31H15-2 to 7	6	50 ft. 1 1/2" Sandblast Hose	236.67
17H12-30	1	Automatic Emergency Light Hospital Equipment	27.89
17H12-31	1	#300B Chair Cot	82.13
17H12-32	1	#300B Chair Cot	82.12
17H12-34	1	#3574 Mayo Rack	10.19
17H12-35 to 37	3	#3550 Stools	19.99
17H12-40 & 41	2	#3049 Floor Lamps	14.70
17H12-42 & 43	2	Hospital Bed Mattresses	28.42
17H12-45	1	CA 6843 HR Inhalator	254.80
26J1-43 to 48 incl.	6	#B2522-25 Ton Duff Norton Jacks	535.08
2J1-49 to 54 incl.	6	#2509-C-1 Ton Duff Norton Jacks	218.15
2J1-55 to 60 incl.	6	Simplex Screw Jacks 2 1/2" x 6"	31.87
6J1-61 to 64 incl.	4	#322 Simplex Reel & Drum Jacks	189.17
2J1-65	1	15 Ton Buda Jack Style 124	30.00
26J1-66 to 69 incl.	4	B2522-25 Ton Duff Norton Jacks	384.16
2J1-70 to 75 incl.	6	20 Ton Hyd. Jenny Jacks	580.00
2J1-76 to 79 incl.	4	70 Ton Hyd. Jenny Jacks	533.12
26J1-80 to 85 incl.	6	25 Ton Bridge Jacks	341.98
26J1-86	1	35 Ton Bridge Jacks	83.37
1J1-87 to 89	3	Air Jacks for use on Bending Slabs	1,586.53
25J1-90	1	15 Ton Single Acting Track Jack	19.21
26J1-91 to 105	15	B1522-15 Ton Duff Norton Jacks	943.00
26J1-106 to 115	10	B2522-10 Ton Duff Norton Jacks	956.39
26J1-116-117	2	10 to 12 Ton Simplex Track Jack	26.00
2J1-118	1	CB9 Black Hawk Hyd. Jack	18.71
8J-3-2	1	#50 Hermance 10" Jointer	4,121.50
8J-3-3	1	31" x 8" Type PBE Salem Jointer	1,867.00
15K1-1	1	Bitumastic Port. Kettle on Wheels	304.00
15K1-2	1	#287-RT Port Kettle on Wheels	304.00
21E-18	1	Le Blond Engine Lathe	9,702.97
21E-20	1	#11 Gisholt Lathe	278.31
21E-21	1	Johnson Engine Lathe	9,722.23
21E-22	1	Arelson Lathe	2,978.80
21E-23	1	14" x 6' Walcott Lathe	727.91
21E-24	1	19" x 10' Le Blond Lathe	2,649.47
21E-25	1	21" x 12' Bradford Lathe	2,249.47

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Classification Or Marking No.	Quantity	Description	Costs
21E-26	1	30" x 14' Fifield Lathe	3,000.00
21E-27	1	Craftsman Fifield Lathe	190.35
15-493-718		15 x 15 x 42 Steel Lockers	20,583.30
717-2	1	#18 Lockformer	475.30
2416-1	1	20 Ton Whitcomb Diesel Locomotive	12,362.00
2416-2	1	Used Vulcan Saddle Tank Locomotive	1,786.18
34110-1	1	#7295A Alemite Lubrication Unit	181.20
Location 23		Erect 5 Whirley Cranes.	7,006.78
Location 1		Bending Slab Erection & Instal	1,114.82
Location 27		Unload, Handle & Store Mach.	91.23
Location 18		Unload, Handle & Store Power House	1,143.34
Location 7		Mach. Foundations - Sheet Metal Shop	14.75
Location 11		Unload, Handle & Instal Equip.	1,061.80
Location 2		Unload, Handle, Instal Mach. Shop Equip.	1,235.00
Location 16		Unload, Handle, Instal Warehouse	10.00
Location 1		Instal Equip. Steel Shed "B"	21.60
Location 2		Instal New Mach. in Shops	1,546.53
31M11-1 & 2	2	Mogul Metallizing Units	1,334.50
31M11-4	1	Type 2E Metco Metallizing Unit	589.54
25M12-1	1	Meter Calibrating Equipment	1,891.12
2M2-4	1	#2 Cincinnati Milling Machine	1,721.11
2M9-1	1	Slotting Attach for Milling Machine	396.00
2M9-2	1	Universal Attach for Milling Machine	519.51
2M9-3	1	Back Milling Attach	559.30
2M9-6 & 7	2	#30-1/2 Milling Attach	22.28
2M3-1	1	36" Rogers Boring Machine	7,109.73
Location 1	1	Monorail Car 3 Ton	3,250.00
50M10-1	1	Crescent Mortising Machine	388.00
15P20-3	1	Binks #240 Striping Machine	299.50
6P10-1	1	#97 Binks Painting Unit	70.89
15P20-3	1	Crown #150 Paint Spray. Outfit	33.11
15P20-6 & 7	2	Type #18003-1 Paint Spray. Outfit	134.02
6P2-11	1	Style 538 Blackhawk Pipe Bender	218.00
5P2-12 to 16 incl.	3	538 Blackhawk Pipe Bender	1,090.00
6P2-17	1	Greenlee Hyd. Bender	119.56
5P3-1 & 2	2	Beaver #11E Pipe Cutters	832.02
5P19-7 to 9	3	#502 Oster Pipe Master Pipe Mach.	749.70
6P19-10	1	#502 Oster Pipe Master Pipe Mach.	267.05
5P19-13 to 15	3	Toledo Pipe Machines	2,805.00
5P19-16	1	#999 Toledo Pipe Machines	360.15
2P7-3	1	24" x 24" x 6' Planer	3,327.13
2P7-4	1	32 x 36 x 90 Rockford Shaper Planer	14,699.70
2P7-5	1	24 x 24 x 10' Cinn. Shaper Planer	1,200.00
1P6-3 to 8	6	Assembly Platforms 20' x 20'	547.56
1P8-3	1	Assembly Platform 48' x 66'	2,838.08
5P10-3	1	15" Melting Pot	5.37
5P25-1	1	#3A Smith Arbor Press	41.85
5P25-2	1	#3A Smith Arbor Press	41.85
5P25-3	1	#3 Shelton Arbor Press	65.00
5P25-4	1	Model AA Embossing Press	447.28
5P25-5	1	Model AA Press	480.00
5P25-6	1	#110 D Chicago Steel Form. Press	4,875.40
5P25-7	1	Carbon Dioxide Erting. Pump.	320.00
5P25-8	1	Blackmer #2404 Barrel Pump	17.17
5P25-9	1	#3280 Worthington Barrel Pump	215.00
5P25-6 & 7	2	#320-12 Worthington Pump	346.00
5P25-8	1	#320-7 Worthington Pump	134.00
5P25-9	1	#320-17 Worthington Pump	120.00
25P28-1 to 24	24	1HP Berkely Cent. Water Pump	1,430.93
25P28-25 to 27	3	Model V25 Berkely Cent. Water Pump	176.40
25P28-28	1	Model V25 Berkely Cent. Water Pump	58.80

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<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
7P17-11 & 12	2	#10 Rotex Punches	\$ 273.42
7P17-13 to 27 incl.	15	#12 Whitney Punches	359.41
7P17-28 to 31	24	#7 Whitney Punches	408.03
6P17-52 to 57	6	#20 Whitney Punches	237.60
5P17-1	1	Brown Potentiometer	387.81
1P29-1	1	Kling Punch & Shear	4,250.00
7P22-2	1	#55 Hendly Punch & Shear	1,149.00
6P22-3	1	#40 Badger Punch & Shear	343.00
7P12-2	1	#400B Perkin Punch Press	860.00
16R2-4 to 21 incl.	18	Stock Storage Racks 8' x 60'	4,085.55
26R2-22 to 25 incl.	4	Spec Racks for Tools	No Costs
16R2-26	1	Rack 10' x 30'	125.43
31R11-29 to 32 incl.	5	#10 Radiographs	633.35
31R11-33 to 42	10	#10 Radiographs	1,284.70
31R11-55 to 56	4	#4 Radiographs	918.00
31R11-61 to 62	2	#4 Radiographs	459.00
31R12-219 to 298 incl.	80	#8650 Oxygen Regulators	768.00
31R12-299 to 378 incl.	80	#8652 Acetylene Regulators	768.00
31R12-379 to 458 incl.	80	#8650 Oxygen Regulators	768.00
31R12-459 to 538 incl.	80	#8652 Acetylene Regulators	768.00
5R12-539-540	2	Acetylene Regulators	20.00
5R12-541-542	2	Oxygen Regulators	20.00
5R12-543-544	2	#806-8403 Hydrogen Regulators	40.00
5R12-545-546	2	#8416 Oxygen Regulators	40.00
31R12-547 to 666 incl.	120	Al-50 Victor Acetylene Regulators	970.20
31R12-667 to 786 incl.	120	Al-200 Victor Oxygen Regulators	970.20
31R12-787 to 806 incl.	20	#8650 Oxygen Regulators	192.00
31R12-807 to 826 incl.	20	#8652 Acetylene Regulators	192.00
31R12-827 to 851	25	Al-01 Oxygen Regulators	202.18
31R12-877 to 901	25	Al-ALC Acetylene Regulators	202.12
1R16-1	1	Hanna Bull Reveter	1,208.70
7R6-4	1	#417 Niagara Roll Forming Mach.	1,687.88
7R6-5	1	Buffalo #1 Bending Roll Mach.	4,939.32
7R6-6	1	#172 Niagara Comb. Mach.	19.11
7R7-2	1	#342 Niagara Slip Roll Form. Mach.	265.58
7R7-3 & 4	2	#331 Niagara Slip Roll Form. Mach.	130.42
7R7-5	1	Niagara 30" x 2" Slip Roll	25.00
7R7-6	1	Pexto 30" x 2" Slip Roll	15.00
7R7-7	1	Pexto 36" x 3" Slip Roll	40.00
7R9-3 & 4	2	Lockformer Flanger	68.11
7R9-5 & 6	2	#164 Niagara Rotary Mach.	109.54
7R9-7 & 8	2	#131C Niagara Comb. Bench Mach.	82.97
7R9-8 & 9	2	Pexto Lgc Turning Machine	30.00
7R9-10	1	Niagara Burring Machine	15.00
7R9-11	1	Pexto Small Turning Machine	15.00
7R9-12	1	Pexto Lgc Turning Machine	15.00
7R9-13 to 15	3	Pexto Small Turning Machines	45.00
7R9-16	1	Pexto C Ose Swags Machine	15.00
7R9-17 & 18	2	Pexto Lgc Turning Machine	30.00
7R9-19	1	Pexto Lgc Wiring Machine	15.00
7R9-20	1	Pexto Lgc Burring Machine	15.00
7R9-21	1	Pexto Small Burring Machine	15.00
7R9-22	1	Niagara Lgc Crimper Machine	20.00
1822-1	1	#1AC3-700 Sand Blast Generator	407.10
1822-2	1	Rumelin Blast Generator	386.48
7334-3 to 11 incl.	6	7" Spec. Black & Decker Sanders	234.49
7334-12 to 29 incl.	18	7" Spec. Black & Decker Sanders	703.49
8334-30 & 31	2	#283A-7" Black & Decker Sanders	98.98
8334-32	1	Model ZP Zephyrplane Sanders	68.99
7334-33 to 50 incl.	18	7" Black & Decker Sanders	882.00
18334-52 to 58	5	7" Black & Decker Sanders	104.10
7334-57-58	2	Zephyrplane Sanders	137.98

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<u>Classification Or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
30S41-1 to 3	3	Key Hak Elec. Drill Attach	\$ 105.00
5S6-6	1	#8 Marvel Metal Band Saw	1,475.13
7S6-7	1	#3M Wells Metal Band Saw	367.50
5S6-8 & 9	2	#4B 6 x 6 Marvel Hack Saw	915.25
7S6-11	1	Model V36 Doall Contour Mach.	2,355.14
2S6-12	1	Marvel #2 Power Hack Saw	20.00
8S4-14	1	Tannowitz JDR Tilting Circ. Saw	1,683.19
8S4-15 & 16	2	#127-12" Skilsaws	337.22
30S4-17 & 18	2	#77	170.81
8S4-19	1	De Walt Model GER Woodworker	660.49
30S4-20	1	Multiplex Radial Saw Circ.	585.00
30S4-21	1	Type GH Tannowitz Band Saw	1,294.84
8S4-22	1	GEJV DeWalt Woodworker	750.00
8S4-23	1	#2A Thor Portable Saw	87.46
8S4-24 & 25	2	#127-12" Skilsaw	324.87
16S7-2	1	#28 Howe Platform Scale	32.60
7S7-3	1	Platform Scale	5.00
16S7-5	1	2000# Platform Scale	90.72
16S7-6	1	Double Beam Platform Scale	43.30
13S7-7	1	#101 Triner Platform Scale	44.10
13S7-8	1	4# Beam Triner Platform Scale	17.15
12S7-9	1	#1310 Howe Portable Scale	69.00
2S8-2 & 3	2	Portable Scarf Milling Mach.	2,355.90
2S9-4	1	Portable Scarf Milling Mach.	1,198.97
2S337-3 to 6 incl.	4	10' x 30' Scows	2,497.59
2S33-7 & 8	2	#40 Little Giant Screw Plates	103.49
2S33-9	1	#B-10 Little Giant Screw Plate	9.21
2S9-2	1	24" Lempo Precision Shaper	2,895.00
2S9-4	1	24" Gould & Eberhardt Shaper	1,451.53
2S9-5	1	28" Gould & Eberhardt Shaper	2,970.00
2S9-6	1	24" Steptor Heavy Duty Shaper	2,160.00
7S13-4	1	#1036 Libert Metal Nibbling Shear	741.00
7S13-5	1	#136M Marshalltown Shear	1,008.48
7S13-7 & 8	2	#136F Niagara Squaring Shear	570.98
7S13-9	1	H110 Niagara Squaring Shear	4,050.60
7S13-10	1	Perto 30" Squaring Shear	35.00
30S13-11 & 12	2	#144A Stanley Unishers	240.10
7S13-15	1	10' Niagara Squaring Shear	4,385.00
7S11-13 to 18 incl.	6	#B2 Beverly Shears	261.95
7S11-19 & 20	2	#12BH Marshalltown Shears	292.04
7S11-21	1	#455 Whitney Jensen Angle Shear	148.00
7S11-22 to 27 incl.	6	#1 Bremil Lever Bench Shears	90.96
7S11-28 to 30 incl.	3	#B2 Beverly Shear	130.98
7S11-31 to 33 incl.	3	#B3 Beverly Shear	224.91
30S11-34 to 36 incl.	3	#2N Buffalo Angle & Tee Cutters	197.96
7S11-37	1	#2 Beverly Shear	50.00
7S11-38	1	Marshalltown Rotary Shear	25.00
9S11-39	1	#11 Voleske Wire Strand Cutter	59.60
7S21-1 to 12	12	#981 Perto Bench Plates & Stakes	493.34
8S5	Misc.	Steel Storage Racks	6,882.85
16S40-1	1	1/2" Marsh Stencil Mach.	116.00
25S32-17 to 28	12	#FA-30161 Stokes Splint Stretchers	384.56
2S27-1	1	Cast Iron Surface Plate	294.57
25S39-1	1	Austin Western Patrol Sweeper	4,200.44
1T3-3 & 4	2	Shell Steel Welding Tables 10' x 40'	980.05
27T36-1	1	2500 gal. Fuel Oil Tank	215.85
6T10-3 & 4	2	B1-2 Ransome Cylinders	41.16
T35-1 & 2	2	Portable Air Pressure Sets	268.32
6T15-1 to 6 incl.	6	Rural Telephone Sets	60.00
6T15-7 to 12 incl.	6	Rural Telephone Sets	72.00
25T31-11 to 13	3	1000# Concrete Test Blocks	19.98
25T31-14	1	2000# Concrete Test Blocks	13.32

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 CONTR-CT MCG 1951

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<u>Classification or Marking No.</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
25T31-15 & 16	2	4000# Concrete Test Blocks	83.30
25T31-17	1	6500# Concrete Test Blocks	43.31
25T31-18	1	9000# Concrete Test Blocks	59.97
25T31-19 & 20	2	10,000# Concrete Test Blocks	128.60
25T31-21	1	16,000# Concrete Test Blocks	106.60
25T31-22	1	20,000# Concrete Test Blocks	133.26
25T31-23	1	28,000# Concrete Test Blocks	186.56
25T-16	Misc.	Gen'l Const. Expendable Small Tools	2,097.38
7T17-6 to 9 incl.	4	#225-2 qt. C & L Blowtorch	38.38
31T28-121 to 140 incl.	20	#9003 Welding Torches	240.00
31T28-141 to 200 incl.	60	#9066 Cutting Torches	1,080.00
2T28-201	1	#654 Hanck Venturi Torch	122.12
6T28-202 to 207 incl.	6	#77 Soldering Torches	220.50
31T28-208 to 267 incl.	60	#9066 Cutting Torches	1,080.00
31T28-268 to 287 incl.	20	#9803 Welding Torches	208.00
5T28-288 to 290	3	#9066 Cutting Torches	58.80
5T28-291 to 293	3	#9803 Welding Torches	31.20
5T28-294	1	Linde Welding Torch	20.00
5T28-295 & 296	2	Linde Cutting Torches	40.00
5T28-297 to 300 incl.	4	#9300 Lead Welding Torches	20.80
6T28-301 to 303	3	#77 Soldering Torches	110.25
31T28-304 to 323 incl.	20	#33 Purax Blow Pipes	360.00
31T28-324 & 325	2	#33 Cutting Attach	36.00
31T28-326 to 425 incl.	100	#9066 Cutting Torches	1,800.00
31T28-436 to 445 incl.	10	#430-3 HC Cutting Torches	359.37
31T28-446-447	2	Victor Adj Cutting Heads	39.20
31T28-448 to 467	20	#9066 Cutting Torches	360.00
31T28-468 to 487	20	#9803 Welding Torches	208.00
31T28-513 to 537	25	#33 Welding Blowpipes	360.00
31T30-110 to 144	35	Radiograph Torch & Assem.	649.65
31T28-105 to 119	15	Lengths #10 Radiograph Track	135.00
31T29-120 to 129	10	Lengths #10 Radiograph Tracks	90.00
25T18-1	1	D8 Diesel Caterpillar Tractor	3,439.31
25T20-7	1	Solid Tire 4 Wheel Trailer	367.50
25T20-8 & 9	2	30 Ton Flat Bed Plate Trailers	3,600.00
25T20-10 & 11	2	30 Ton Flat Bed Plate Trailers	3,600.00
T32-14 to 17	4	1 Ton Plain Trolleys	56.16
29T32-18 to 21	4	1 Ton Plain Trolleys	56.18
1T32-22	1	1/2 Ton Plain Trolleys	17.64
1T32-23 & 24	2	1/2 Ton Plain Trolleys	24.70
2T32-25 to 27	3	1 Ton Plain Trolleys	50.87
T32-28 to 34	7	1 Ton Plain Trolleys	72.03
2T32-35 & 36	2	Semi Steel Trolleys for 6 x 8 x 1/2 I Beam	28.12
1T32-37	1	1 Ton Trolley for I Beam	14.41
1T32-38	1	1 1/2 Ton Trolley for 10" I Beam	18.52
16T24-68 to 73	6	American Daisy Hand Trucks	89.58
25T24-74 to 79	6	American Daisy Hand Trucks	77.62
6T24-80 to 83	4	2 Wheel Warehouse Trucks	51.74
6T24-84 & 85	2	#61 Nutting Platform Trucks	94.18
16T24-86 to 91	6	Daisy Warehouse Trucks	77.62
2T24-92	1	#300-36 x 96 Platform Trucks	121.72
1T24-93 to 95	3	Nutting #J630 Platform Trucks	345.26
16T24-96 to 119	24	4 Wheel Platform 36 x 96 Trucks	2,534.34
1T24-120 & 121	2	4 Wheel Platform 36 x 96 Trucks	211.18
16T24-122 to 125	4	2 Wheel Low Bed Warehouse Trucks	137.55
9T24-126	1	2 Wheel Low Bed Warehouse Trucks	12.94
16T24-127 to 130	4	4 Wheel Platform Trucks	422.36
16T24-131 to 136	6	2 Wheel Warehouse #56G Trucks	165.58
15T28-137	1	American Daisy Hand Trucks	12.74
5T24-138 to 141	4	#56G Hand Trucks	110.39
32T24-142	1	4 Wheel Platform Trucks	106.59

MACHINERY AND EQUIPMENT CARDS
 CONTRACT MCG 1951

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Classification Or Marking No.	Quantity	Description	Costs
1T24-143 to 148	5	4 Wheel Platform Trucks	\$ 633.54
13T24-149	1	4 Wheel Platform Truck 20" x 48"	68.11
8T24-150 to 153	4	2 Wheel Carts	192.07
7T24-154 to 157	4	All Metal 4 Wheel Platform Trucks	227.61
16T24-158 to 166	9	#59 G Warehouse Trucks	309.49
16T24-167 to 170	4	"Dandy" Warehouse Trucks	67.87
16T24-171-172	2	"Daisy" Warehouse Trucks	25.87
15T24-173 & 174	2	#56G Warehouse Trucks	60.19
8T24-176 to 179	4	2 Wheel Material Carts	183.63
8T24-184 to 187	4	Daisy Hand Trucks	53.12
7T24-180 to 183	4	4 Wheel Platform Trucks	43.63
3E72-91 to 155 incl.	65	#15RB Portable Ventilating Sets	7,156.22
3E72-156 to 175 incl.	20	#75 Silent Vane Fans	10,609.00
5V2-176 to 187 incl.	10	#10 Tornado Elec. Blower	1,125.20
5V2-188 to 197 incl.	10	10 A Tornado Elec. Blower	905.00
3E72-198 to 217	20	#75 Silentvane Fans	10,608.88
3E72-218 to 267 incl.	50	#15RB Portable Vent Sets	5,404.46
5V2-268 to 267 incl.	100	#10A Tornado Blowers	7,940.00
13V2-268 to 371	4	10" Box Type Vent Fans	54.57
2V7-11	1	Brown & Sharpe Tool Maker Vise	124.05
2V7-12	1	#994 Yankee Vise	9.16
5V6-29 to 32	4	#BC6 Rigid Bench Pipe Vises	55.31
2V6-33	1	#279L3 Pipe Vises	9.70
6V6-34 to 43	10	2" Latch Pattern Pipe Vises	35.28
5V6-44 to 67	24	#3 Toledo Pipe Vises	235.20
5V6-68 & 69	2	2" to 14" Chain Vises	117.60
5V6-70	1	#73 Nye Bench Pipe Vises	9.71
1V5-61	1	6" Swivel Base Mach. Vises	46.04
7V5-62 to 76	15	4" Swivel Base Mach. Vises	181.10
29V5-77 to 79	3	#160-6" Swivel Base Mach. Vises	111.15
2V5-80 to 94	15	6"-#60 Morgan Mach. Vises	415.57
2V5-95 to 109	15	6" #160 Morgan Mach. Vises	555.62
6V5-110 to 119	10	6" Morgan Vises	370.40
6V5-120 to 123	4	5" #160 Morgan Vises	85.26
6V5-124 to 126	3	#15-5" Morgan Mach. Vises	55.86
2V5-127	1	6" Bench Vises	20.00
2V5-128	1	4" Bench Vise	15.00
6V5-129	1	#142 Holland Vise	14.43
6V5-130	1	6" Swivel Base Vise	48.41
5V5-131	1	#43-P Simplex Vise	14.44
1V5-132-133	2	5" Stat. Base Mach. Vises	57.24
6V5-134 to 141	8	#277-50-5" Morgan Vises	147.78
6V5-142-143	2	#277-160 - 6" Vises	96.82
1V5-144-145	2	#160 6" Vises	96.82
15V5-146	1	#13 Holland Vises	9.31
6V5-147	1	#25 Holland Vises	35.38
51V5-149 to 151	3	#58H 4 1/2" Holland Vises	69.97
5V5-152-154	3	#604 Columbian Vises	31.65
5V5-157	1	Parker #773 1/2 Mach. Vise	13.96
5V5-1 to 3	3	Assort 10" Carp. Vise	60.27
5V5-4 & 5	2	#430-2 1/2 Carp. Vise	9.51
5V5-6 & 7	2	#430E Carp. Vise	23.03
5V5-10 to 12	3	#72D Columbian Vise	24.84
5V5-13 to 22	10	Misc. Tables, Benches for School	1,632.39
5V5-23 to 400	3	Type "U" Unionmelt Welders	8,691.06
5V5-401 to 453 incl.	3	Welding Power Units, Unionmelt	6,609.58
5V5-454 to 456 incl.	3	Type "L" Unionmelt Rec. Units	1,763.27
5V5-457 to 859 incl.	403	SAE Port. Lincoln Welders	146,984.28

MACHINERY AND EQUIPMENT CARDS
CONTRACT WCo 1951

-11-

<u>Classification Or Marking No</u>	<u>Quantity</u>	<u>Description</u>	<u>Costs</u>
7WS-860 A	2	70KVA Progressive Port. Units	6,322.84
8WS-862	2	Nelson Arc Stud Welders	1,249.64
3EWS-864	1	Nelson Arc Stud Welders	624.82
3EWS-866	2	200 Amp. Lincoln Gas Driven Welder	300.00
3EWS-867	1	150 Amp. Lincoln Gas Driven Welder	125.00
3EWS-868 to 871	4	Magneweld Stud Welders	2,491.30
3EWS-872 to 1046	175	Wilson 300 Amp. Port. Welders	4,437.58
3EWS-1047 to 1071	25	Wilson 200 Amp. Port. Welders	7,692.89
2SW12-31 to 60	30	Ten Plug Welding Centers	3,632.29
7W10-6 to 30	25	4' x 12' x 36" Work Benches	610.06
6W10-1	1	20' Masonite Top Work Table	76.46
6W10-2	1	20' Masonite Top Work Table	76.46
6W10-3	1	6' Masonite Top Work Table	76.46
6W10-4	1	3' x 5' Rolling Table	76.46
6W10-5	1	Drawing Table	76.47
			<hr/>
			\$1,110,948.25

RG 19 Bureau of Ships
Gen'l Correspondence
1940-45

QM Todd Pacific Shipyard

Box 1006 (Vol. 18)

NBS 50A
NAVY DEPARTMENT
BUREAU OF SHIPS
NAVSHIPS (250)

ROUTE SLIP

[Handwritten signature]

CODE OF ORIGINATING SECTION _____ INITIALED BY _____ DATE _____

SECTION CODE	INITIALED		FILE NO.	ENCLOSURE	SERIAL NO.
	BY	DATE			
5 767	MDP	1/6/45	9M/Todd Pacific	<input checked="" type="checkbox"/> HW <input type="checkbox"/> SC	1050752

REMARKS

OK'D BY: W.L.D.

764 D Re No. 60 779 ~~18 JAN 1945~~

762 RLH 1/8 Lt. Hoque re PAW approval

765 C PWS 1/8 Recommend that attempt be made to obtain approval. Use of coal as fuel would increase manpower req'd for barge operation in an area where manpower is extremely critical. Bay

767 D RLH 1/10

762 G.E. 1/11/45

760 R.B.G. 1/11 7N signature.

12 JAN 1945

R. E. Jones
By direction of
Chief of Bureau

FILE

BY _____ DATE _____

Section 700-9

2/2004acific 6.(752-3)

RLH:tmc
1-10-45

To: Supervisor of Shipbuilding, USN,
Todd Pacific Shipyards Inc., Tacoma Div.,
Tacoma 2, Washington.

Subj: Todd Pacific Shipyards Inc., Contract Subs-770 -
Fuel Oil, Request For.

Ref: (a) Supply Tacoma Ltr. LO(AF)VCH:am to BuShips
dated 1 January 1945.

1. It is the opinion of the Petroleum Administration for War and the Office of Procurement and Material that there is not sufficient distillate fuel oil on the West Coast to supply the needs of all Naval activities.
2. It is recommended that the oil burning facilities on the steaming-out barges, to be located at Todd Pacific Shipyards, be designed to burn residual oil and approval for its use be requested from the Petroleum Administration for War in the local district.
3. If permission for the use of residual oil is denied, this Bureau should be notified immediately.

SUPERVISOR OF SHIPBUILDING, U. S. NAVY

TODD PACIFIC SHIPYARDS INC. TACOMA DIVISION

TACOMA 2, WASHINGTON

L8(AF)VCM:Rn

1 - JAN 1945

AIR MAIL

To: BuShips, Code 767
Attn: Lieut. Pillars

Subj: Navy Facilities Contract NObs-779,
Oil Burners for Steaming-Out Barge,
Procurement of.

Ref: (a) TFSI Tacoma ltr NF/L4-3 of 11 Dec 1944 to OPA Tacoma, Via SupShip.
(b) SupShip Tacoma End-1 L8(AF)VCM:Rn of 12 Dec 1944 to OPA Tacoma.
(c) Petroleum Administration for War, Los Angeles, ltr of 22 Dec 1944
to Mr. Haff, TFSI, Tacoma.
(d) TFSI Tacoma ltr NF/L4-3 of 30 Dec 1944 to Mr. Heyns, PAW,
Los Angeles.
(e) SupShip End-1 L8(AF)VCM:Rn of 30 Dec 1944 to Mr. Heyns, PAW,
Los Angeles.
(f) SupShip Tacoma ltr L24(AF)VCM:Rn of 6 Dec 1944 to BuShips,
Code 764-D.

Encls: (H.W.)
(A) Copy of Ref (a).
(B) Copy of Ref (b).
(C) Copy of Ref (c).
(D) Copy of Ref (d).
(E) Copy of Ref (e).

1. Additional facilities are necessary at this activity to provide steam pressure for steaming out boilers in compliance with MEI requirements in building CVE105-127 Class of Carriers, and also necessary steam pressure for testing auxiliaries, most of which are steam operated on these vessels.

2. A fuel oil installation is planned because pressure is needed at once, mobility is necessary, operation will be intermittent, much of the necessary equipment is available from Salvage Dept. of PSNY, a relatively small amount of fuel oil will be required and less man-power will be needed for fuel oil in comparison with solid fuel operation. 1050752

18(AF)VCN:Rn

3. In Ref (a), endorsed by Ref (b), herewith, Todd Pacific Shipyards Inc., Tacoma, applied for approval to use an oil installation on a steaming-out barge.

4. In Ref (c), herewith, Petroleum Administration for War, Los Angeles, California, stated that the absolute necessity for use of oil was not established, and suggested a review to accomplish the need without using fuel oil. In a telephone call by the Contractor, PAW stated that they would have to forward the application to Washington, if fuel oil was still considered necessary.

5. In Ref (d), endorsed by Ref (e), herewith, the Contractor gave additional information as to the necessity of using fuel oil.

6. This letter and its encls are forwarded with the request that the Bureau take necessary steps to establish with PAW the essentiality of fuel oil for this installation. The Supervisor considers this sound because of the reasons set forth in para 2 and encls herewith.

7. The provision of the steaming-out barge was approved by the Supervisor and presented to the Bureau in Ref (f).

By direction of SupShip:


V. C. NORTON

cc:
TPSI (Attn: Mr. Haff) (3)

1050752

TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TACOMA SHIPBUILDING CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE

TACOMA 1, WASHINGTON

NF/14-3

11 December 1944

From: Todd Pacific Shipyards, Inc., Tacoma, Washington
To: Office of Price Administration, 733 St. Helens Avenue, Tacoma, Washington
Via: Attention: Mrs. Franklin
Supervisor of Shipbuilding, U. S. Navy, Tacoma, Washington

Subject: Navy Facilities, NObS 779
OIL BURNERS, Procurement of
Priorities and CMP

Reference:
(a) War Production Board Limitation Order Number L-74, as amended
November 2, 1944.

1. This Corporation is desirous of procuring three (3) only Ray Type TG Oil Burners, each having a maximum capacity of 700 pounds of oil per hour and capable of regulation between 200 and 700 pounds per hour. Burners to be fired with Diesel oil and to employ mechanical atomization and integral blower. Each burner is to have automatic features for controlling the firing rate to maintain a steam drum pressure of 250 PSIG. The total cost of these three (3) burners is \$2,076.23. In accordance with the requirements of Paragraph C2 of Reference (a) application is hereby made for approval to use oil for this installation.
2. The subject burners are to be used to maintain steam pressure on a steaming-out barge which is being constructed at this Shipyards. Said steaming-out barge is absolutely essential to the construction of a new larger class of Aircraft Carriers, Escort known as the CVE105 Class. Essentiality of this barge has been approved by the United States Navy Department and the cost of this installation will be paid by the Navy Department under Prime Contract NObS 779.
3. Previous vessels constructed at this Shipyards were built essentially to commercial standards and commercial practice was used to steam-out the ship boilers. The CVE105 Class Vessel is being constructed strictly according to Navy practice and specifications set forth in the Navy's Manual of Engineering Instructions. Said Manual of Engineering Instructions requires steaming-out with pressure of 25 to 50 pounds of steam. The equipment presently on hand which was formerly used in steaming-out the boilers on previous classes of vessels is not adequate for doing the work in accordance with the Manual of Engineering Instructions, and a larger steam supply is therefore necessary.
4. On the new class of vessels a steam supply is also required for installing, testing, and checking the ship's auxiliary and deck machinery. Previous vessels were equipped with electrically driven auxiliary and deck machinery, however, the CVE105 Class of vessels use steam almost entirely which is in accordance with plans and specifications required by the U. S. Navy Department.

TODD PACIFIC SHIPYARDS INC
A SUBSIDIARY OF TOWNSHIP INDUSTRIES CORPORATION
TACOMA DIVISION
FOOT OF ALEXANDER AVENUE
TACOMA 1, WASHINGTON

NF/14-3
Office of Price Administration - Attn: Mrs. Franklin
11 December 1944

Page 4 -

5. The use of Diesel oil for fuel is required on this steaming-out barge for the following reasons:

1. The yard is not equipped to handle coal or hog fuel. Also there is no storage space available for any such fuel.
2. Oil is easy to handle, inasmuch as it can be pumped where desired.
3. An oil installation is preferable to coal since it simplifies the method of supplying fuel to the firebox of the boiler. It provides a more flexible job from the standpoint of quick steaming and for short periods of time. Also the handling of ash is not necessary.
4. Diesel oil is preferred to heavier fuel oil because it allows a simple and safe installation. No fuel pumps or heaters are necessary since Diesel oil can be burned at ambient temperature and with the minimum of pressure.

6. It is anticipated that the three (3) subject burners will consume from 3,000 to 5,000 gallons of oil per month.

7. It will be greatly appreciated if this application will be expedited as much as possible inasmuch as the CV2105 Class vessels are currently under construction and the steaming-out barge for which the burners are required should be put into operation immediately.

Yours very truly,

TODD PACIFIC SHIPYARDS INC.

Jean L. Haff
Chief of Priorities and CIP

Jna/sb

SUPERVISOR OF SHIPBUILDING, U. S. NAVY
Tacoma, 2, Washington

18(AF)VCM:Rn

12 December 1944

End-1 on TPSI, Tacoma, ltr
NF/L4-3 of 11 Dec 1944

To: Office of Price Administration
Tacoma, Washington
Attn: Mrs. Franklin
Subj: Navy Facilities, NObs 779
OIL BURNERS, Procurement of
Priorities and CMP

1. The Supervisor concurs with Todd Pacific Shipyards, Tacoma, in the necessity for and urgency of procurement of the oil burners described in the basic letter. They are essential to the Contractor's shipbuilding program in order to provide required steaming out pressures in accordance with Navy specifications on this class of vessel.

2. It is requested that every effort be made to expedite procurement.

By direction of SupShip:

V. C. NORTON
Lieut., USNR
Facilities Officer

CC:
TPSI

Central Files
Rn (green & 1 cy)

PETROLEUM ADMINISTRATION FOR WAR
855 Subway Terminal Bldg.
417 South Hill
Los Angeles, 13, Calif.

Phone: Mutual 5331

December 22, 1944

Mr. Jean L. Haff,
Chief of Priorities and CMP
Todd Pacific Shipyards Inc.
Foot of Alexander Avenue
Tacoma, 1, Washington

PDO-13, Case No. 2252

My dear Mr. Haff:

This will acknowledge your communication requesting an exception to the provisions of Petroleum Distribution Order No. 13, as Amended, to permit the use of fuel oil in your heating facilities.

As the scope and temp of the war increases, we are being called upon for tremendous quantities of all types of petroleum products, including fuel oil, to supply the ever-growing requirements of the armed forces. I do not believe that anyone would question the necessity of providing the military needs first and without delay. In order to assist in the fulfillment of those demands, however, it is necessary that additional civilian uses of fuel oil be limited only to those instances where it is definitely established that an alternative fuel cannot be utilized.

It is regretted that the information presented in your case does not establish the absolute necessity for an exception to the Order, and your application must, therefore, be denied; and in consideration of the over-all situation, I should like to suggest that you review your problem anew, to the end that your difficulties may be overcome without resorting to the use of fuel oil.

While the shortage of clerical assistance causes us to advise you in this form, I assure you that your request has been given careful and thorough consideration.

Sincerely yours,

Charles E. Heyns, Director
Distribution and Marketing,
District Five

#632

TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION
TACOMA DIVISION
FOOT OF ALEXANDER AVENUE
TACOMA 1, WASHINGTON

NF/L4-3

30 December 1944

From: Todd Pacific Shipyards Inc.
Foot of Alexander Avenue
Tacoma, Washington

To: Charles E. Keyes, Director Distribution & Marketing, District Five
Petroleum Administration for War
855 Subway Terminal Bldg.
417 South Hill
Los Angeles, 19, California

Subject: Navy Facilities, MOBs 779
STEAMING-OUT BARGE, OIL BURNERS FOR, Procurement of
Priorities and GMP

Reference:

- (a) Todd, Tacoma ltr. NF/L4-3 to OPA, Tacoma, Wn., dated 11 December 1944
- (b) Form OPA M-1102, Application for Diesel Oil Ration, executed by Todd, Tacoma 11 December 1944 (Enclosure (A) to Reference (a))
- (c) WPB Limitation Order L-74, as amended 2 November 1944
- (d) PAW, District 5, Los Angeles ltr. PDC-13, Case No. 2252, to Todd, Tacoma, dated 22 December 1944

Gentlemen:

1. By letter, Reference (a), supported by Form, Reference (b), this Corporation made application in accordance with requirements of Reference (c) for approval to use Diesel Oil in the operation of the subject equipment, which will require the new installation of three (3) oil burners, similar or equal to Ray Type TG.
2. By letter, Reference (d), said application was denied, upon the basis that the information presented did not establish the absolute necessity for an exception to the provisions of Petroleum Distribution Order #13, as amended, which would permit the use of Fuel Oil in the operation of the subject equipment.
3. As suggested in letter, Reference (d), the problem has been carefully reviewed and the use of an alternate fuel is not deemed to be feasible for the reasons cited below:

(A) Requirement vs. present facilities -

- (1) The construction of the CVELO5 Class Vessels to Navy standards requires boiler steaming-out in accordance with NEI procedure. Run-in tests are also required to be made on ship's steam driven auxiliary (deck winches, etc.) prior to ship's steam being available. There is therefore a new need for a given pressure of steam, for use at various locations and at irregular times, according to the location of vessels during outfitting and stages of construction.
- (2) The additional steam is needed at the earliest possible date

TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE

TACOMA 1, WASHINGTON

NP/14-3

Petroleum Administration for War
30 December 1944

Page 2.

as the CV4105 class program is now well along in construction. Purely temporary means have been taken to provide initial requirements through the use of one of the Yard locomotives (a 60-ton steam engine). This arrangement has not been set for the reason that the equipment lacks sufficient capacity for steaming-out processes, and is entirely inadequate for the "run-in" tests on ship's steam auxiliaries. Furthermore, we cannot continue this use of this piece of equipment without impairing our inter-plant transportation system.

- (3) In order to keep plant utility investments to a minimum, no permanent shore steam facilities for outfitting and ship construction purposes have ever been provided at this Yard. A small steam boiler (approximately 125 H.P. at 100 pounds pressure) was provided at the Ship Commissioning Dock, but for use only on Naval Vessels after being commissioned and turned over to the United States Navy. This steam is used for vessel heating; hot water supply, galley use, etc.
- (4) Vessels built at this Yard prior to the CV4105 class program, were constructed, for the most part, in accordance with commercial standards. A small portable donkey boiler provided sufficient steam for steaming-out boilers, etc., prior to placing them in service. These vessels were also equipped with electric auxiliaries and, therefore, could be "run-in" with either shore power or ship's power, if the latter were available.

(c) Proposed new equipment vs. Alternate type -

- (1) Lacking other suitable facilities, it is proposed to construct a mobile unit to provide the required steam at the various locations needed, by equipping a barge with the necessary boiler tanks, burners, etc. The bulk of the materials and equipment, save the oil burners, for such a mobile unit are available for immediate delivery from U. S. Navy Salvage sources. The initial cost would therefore be kept to a minimum. An oil fired unit will require less number of employees for operation and will require the least maintenance effort.
- (2) Were solid fuels to be employed, a much larger barge would be required - not now available - and additional time would be lost in constructing bunkers - not now available - and conveying equipment for moving the fuel from shore to barge. If the mobility of the barge were abandoned in favor of a shore-side installation, fired by solid fuels, it would be necessary to install several hundred feet of steam piping, lagging, pumps, etc., at considerably greater expense, loss of time and unnecessary use of other critical materials.

TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE

TACOMA 1, WASHINGTON

NP/14-3
Petroleum Administration for War
30 December 1944

Page 3.

4. Upon the basis of the supplemental and explanatory data given above, it is requested reconsideration be given to our application, Reference (a).

Yours very truly,

TODD PACIFIC SHIPYARDS INC.

JLH/eb

Jean L. Huff
Chief of Priorities and Control

SUPERVISOR OF SHIPBUILDING, U. S. NAVY
TODD PACIFIC SHIPYARDS INC. TACOMA DIVISION
TACOMA 2. WASHINGTON

LS(AF)VCH:Ra

30 Dec 1944

Enc-1 on Todd Pacific Shipyards Inc.
Tacoma, ltr NF 1A-3 of 30 Dec 1944.

AIR MAIL

To: Mr. Charles E. Keyne
Distribution and Marketing,
District Five
Petroleum Administration for War

Subj: Navy Facilities Contract NObc-779 - Steaming Out Barge,
Oil Burners for; procurement of.

1. The Supervisor has reviewed this matter thoroughly and concurs in the statements of the basic letter.
2. Because of the necessity for additional steam pressure at the earliest possible date, the importance of mobility and the far lower costs of providing equipment, it is believed that the exception should be made to permit the use of fuel oil.
3. It is requested that everything possible be done to expedite this matter.

By direction of SupShip:

V. C. BOSTON

GM/Seattle Tacoma
(4)(768-3)

ALG:PW
12/16/42

From: The Chief of the Bureau of Ships.
To: The Commandant, Thirteenth Naval District.
Via: Vice Chief of Naval Operations.
SUBJECT: Seattle Tacoma Shipbuilding Corporation.
(Tacoma Division) Tacoma, Wash. - Plant
Protection.

1. The subject yard was recently visited by representatives of this Bureau. Certain matters of plant security were noted which may be of value to the District Security Office in its next inspection.

2. (a) Disposal of rubbish was not efficient. A large accumulation was noted between the bases of outfitting docks one and two and another in the southeast corner of the yard.

(b) The two main valve pits on the water supply lines were not protected from sabotage in that they did not have concrete tops nor locked steel plate doors.

(c) Combustible material was stacked in the immediate proximity to the legs of the north water tower.

(d) There was no precaution against the danger of boiling over in the transformers on the wooden piers.

(e) The crane track next to the edge of outfitting dock #4 was not planked so as to enable pumps to reach the water.

(f) A small new unsprinklered building to the north of building #31 is built on skids and the space underneath is not blocked off.

Copy to:
Officer in charge of
Shipbuilding and Conversion
at Tacoma.

12191280

RG. 19

Bureau of Ships 1940-1945

C QM/Todd Pacific Shipyard

Box # 1007

File: QM/Todd Pacific Syd. (-4)

N. H. S. 59
NAVY DEPARTMENT
BUREAU OF SUPPLY
(Form 1-41)

REPRODUCED AT THE NATIONAL ARCHIVES

ROUTE SLIP

Code of Originating Section 768 Initialed by WJH Date 12/3/42

SECTION CODE	INITIALED		REMARKS
	By	Date	
760	WJH	12/1	M 12/2
700	my	12/7p	
768	J	12/25	Prepare careful letter of instruction to Supship asking Detailed plant protection plan and quote recent letter requiring drastic curtailment of expenditures for this purpose.
			OZV
			3261716

WJH
12/3/42

CODE FILE

FILE NO.

QM/Seattle Tacoma AB: (4)

OF SHIPS. REFER TO
FILE NO.

ALG:SE(768-G)

NAVY DEPARTMENT
BUREAU OF SHIPS
WASHINGTON, D. C.



December 3, 1942.

MEMORANDUM FOR - 760

SUBJECT: Seattle-Tacoma Shipbuilding Cor.
(Tacoma Division) Tacoma, Washington -
Plant Protection. 13th Dist

1. This yard was visited on November 6th and 7th, 1942, by Bureau of Ships' representatives, Mr. A. M. Jens and Lieut.(Jg) A. L. Green.

2. This is a yard in which the Navy has recently issued a letter of intent, purchasing the existing Maritime facility. Included in the letter of intent was an additional \$100,000 item for the purpose of purchasing fire equipment. Apparently no instructions were given as to the items to be purchased. The officer in charge of shipbuilding and conversion, Capt. McGuigan, has set up a program for the expenditure of practically the entire sum. Part of the program consists of the purchase of one large and ten small pumps. It occurred to the Bureau's representatives that the money might possibly be better spent in laying out a salt-water pipe system. With the limited time available, it was impossible to make a complete analysis of the situation. The engineers of the Washington Surveying and Rating Bureau are entirely familiar with the city supplies and equipment and it might be worth while to get their ideas as to the best method of reinforcing same.

3. Across the street north and east of the yard is located the Hooker Chemical Company, a manufacturer of chlorine gas. The distribution of the entire output of the gas plant, is, controlled by the Army. There are five storage tanks, each of which accommodates 50 tons of liquid chlorine. The gas is shipped out in tank cars of two sizes, 16 and 30 tons. At present there is only one guard on twenty-four hour duty. This plant should be guarded immediately by the proper agency, which appears to be the Army. Storage both in tanks and in cars should be held to an absolute minimum and the responsible agency should make a daily check on this matter. The Bureau's representatives were informed by an official of the Chemical Company that recently over 200 tons were allowed to accumulate on the premises. The officer in charge of plant protection at the shipyard believes that a purchase of 10,000 gas masks is necessary.

3261716

4. Better arrangements should be made for disposal of rubbish. The practice of letting it accumulate in high piles in the immediate vicinity of welding operations and nearby flimsy temporary structures, should cease. A very large pile of rubbish was noted between the bases of outfitting docks 1 and 2, and another in the southeast corner of the yard.
5. The present arrangement of the two main valve pits on the water supply lines is unsatisfactory from the standpoint of sabotage. They should be provided with concrete tops and locked steel plate doors.
6. Combustible material was stacked in the immediate proximity to the legs of the north water tower. This should be removed and provision made to prevent storage of combustible material in that immediate area.
7. Steps should be taken to guard against the danger of boiling over in the transformers on the wooden piers.
8. The crane track next to edge of outfitting dock No. 4 should be planked to enable pumpers to reach the water.
9. A small new unsprinklered building to the north of building No. 51 was noted to be built on skids. The space underneath should be blocked off.

cc: 700

✓

R.G. 19

Bureau of Ships 1940-1945

C 4M Todd Pacific Shipyard

Box # 1007

File: 4M Todd Pacific Syd. (-4).

NAVY DEPARTMENT
BUREAU OF SHIPS
NAVSHIPS (120)

ROUTE SLIP

CODE OF ORIGINATING SECTION

INITIALED BY

DATE

SECTION CODE	INITIALED	
	BY	DATE
151	CLP	7/31/44

FILE NO.

9M/Seattle Tacoma

ENCLOSURE

HW
 SC

SERIAL NO.

7290899

REMARKS

151: Letter has been compared with the Bureau's draft and is correct. CLP/157p

151 257 7/31

157p: Nsked. Please send original to main file keep copy for contact folder WFT (151)

157p CLP 8/1

One copy (executed) of agreement letter detached and placed in 152 for's notes 775 file. CLP/157p

FILE

BY CLP DATE 8/1

ARTHUR GUNTHER
 MAXIMILIAN MOSS
 RALPH W. CROLY
 JULES HABERMAN
 HARRY A. ...

JOSEPH K. RYAN
 AUGUSTUS J. WHEELER
 DWIGHT G. S. ERISTOFF
 WILLIAM R. ALLISON
 GEORGE A. WOOD
 MILD F. HODGKINS, JR.
 CHARLES J. DODD, JR.
 PATRICK J. MAHONEY
 STANLEY S. ...
 ROBERT S. LIBLE
 FREDERICK E. WILLIAMS
 GEORGE L. CRUSER
 FRANCIS J. WILLIAMS

Cullen and Lykman
 117 Montague Street
 Brooklyn 2, New York

July 28, 1944

Navy Department,
 Bureau of Ships,
 Washington, D. C.

Att: W. L. Turney, Esq., Contracting Officer, (Section 157)

Re: File No. QM/Seattle-Tacoma Shipbuilding Corporation (157p)

Dear Sirs:

In your letter of June 5, 1944, you referred to my letter of September 16, 1943, with respect to certain properties leased by Todd Pacific Shipyards and used in connection with Contract NOBs-779. With your letter you enclosed a form of letter which you requested be executed by the parties. I replied to your letter on July 3, 1944.

I have today received from Messrs. Bogle, Bogle & Gates, attorneys for Todd Pacific Shipyards Inc., the letter suggested by you, signed by Hooker Electrochemical Company and Todd Pacific Shipyards Inc. I am enclosing two copies for your records.

I have been informed by letter from Messrs. Bogle, Bogle & Gates that the mortgage under which New York Trust Company and Augustus C. Downing were trustees has been released, satisfied and discharged of record. Accordingly, the attorneys for Hooker Electrochemical Company removed the third page from the letter which you sent us. The release of mortgage was duly filed and recorded in

7290899

-2-

the Office of the Auditor of Pierce County, Washington, on February 26, 1944. I am enclosing for your information and records a copy of the letter which I received from Messrs. Bogle, Bogle & Gates.

I trust that this matter has now been completed to your satisfaction, but if there are any further questions, please let me know.

HGH:ESG
Enclosures

Very truly yours,

Harry S. Hill

7290899

✓

Chief of the Bureau of Ships
Navy Department
Washington, D. C.

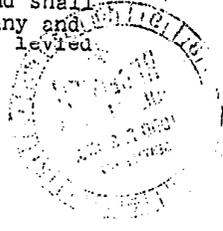
Dear Sir:

By lease dated May 1, 1941, as extended by letters dated May 21, 1942, February 20, 1943 and April 21, 1944, the undersigned, Hooker Electrochemical Company (hereinafter called the "Lessor"), a New York corporation, has leased certain realty owned by it in the City of Tacoma, Pierce County, Washington, to Todd Pacific Shipyards, Inc. (formerly Seattle-Tacoma Shipbuilding Corporation, Inc., hereinafter called the "Lessee"), a Washington corporation, for the use of the Lessee in connection with its shipbuilding business.

It is understood that under a contract entered into between the United States of America (hereinafter called the "Government") and the Lessee, designated Contract NOBs-779, certain shipbuilding facilities (hereinafter called the "Facilities") owned by the Government have been furnished or may hereafter be furnished for the use of the Lessee at the site of such real estate. It is further understood that the Facilities listed in Exhibit "A" attached hereto have heretofore been furnished at such site.

In consideration of the furnishing by the Government of the Facilities for the use of the Lessee under said contract, it is hereby agreed as follows:

- (a) Subject to the terms and conditions of said lease, as hereby modified, the Facilities may be placed and remain on the leased premises and such premises may be used by the Lessee in connection with its performance of said contract;
- (b) The Facilities shall not be or become part of the realty by reason of such location, shall not be affected as to their title by such location, and may at any time be removed by or pursuant to the direction of the Government.
- (c) The Lessee shall, in addition to the sums required to be paid by Paragraph 7 of said lease, pay all taxes and assessments which may be assessed, charged or levied upon or against the Facilities during the term of said lease or of any renewal or extension thereof, and shall indemnify and hold harmless the Lessor against any and all liability for taxes and assessments charged, levied or assessed upon or against such Facilities.



- (d) The Lessee or the Government may within a reasonable time after the end of the term of said lease as extended or sooner termination thereof remove the Facilities from the leased premises;
- (e) Said lease shall not be terminated or the possession of the Lessee otherwise disturbed by the Lessor unless thirty (30) days written notice thereof shall have first been given to the Chief of the Bureau of Ships;
- (f) The Government and its duly authorized representatives shall at all times have access to the leased premises for the protection of the interests of the Government in the Facilities and the exercise of its rights under such contract; and
- (g) Said lease may at any time be assigned or sublet to or at the direction of the Government without the further consent of the Lessor.

The Lessor further agrees that in the event of any sale, mortgage, or other disposition or encumbrance of any right, title or interest of the Lessor in or to such real estate there will be included in the instrument or instruments affecting the transaction such provisions as may be necessary to give notice of the foregoing agreements, and that the Lessor will upon request of the Chief of the Bureau of Ships execute and acknowledge such instrument or instruments as may be necessary to put on public record evidence of such agreements.

The Lessee has indicated its approval of the foregoing and has thereby agreed to all provisions hereof applicable to it.

These agreements shall be binding upon and inure to the benefit of the successors and assigns of the Lessor and the Lessee, including the Government.

Yours very truly,
 HOOKER ELECTROCHEMICAL COMPANY

By *AMM*
 Its *Assistant President*

Approved and Accepted
 this 21 day of *July*, 1944.

TODD PACIFIC SHIPYARDS, INC.

By *[Signature]*

Its SECRETARY

EXHIBIT AGovernment-Owned FacilitiesApproximate Cost

Fences	\$ 800
Maintenance Shop	35,000
Bus Loading Shelter	5,700
Board Walks	800
Asphalt Pavement	16,600
Concrete Pavement	600
Restaurant Storage Building	2,000
Restaurant, Portion of	50
Office	500
Railroad Track	3,000
Garage	1,800
Incinerator	1,500
Rag Storage Building	500
Nut and Bolt Salvage Building	4,000
Salvage Bins	800
Light Poles and Underground Cable	4,000
Parking Dumper Logs	500
Catch Basins and Drainage Lines	1,000
	<hr/>
	\$ 79,150

Law Offices

BOGLE, BOGLE & GATES

6th Floor Central Building

Seattle, 4 July 24, 1944.

Messrs. Cullen & Dykman,
177 Montague Street,
Brooklyn 2, New York.

Attention: Mr. Hill

Dear Mr. Hill:

We enclose four copies of the modification of lease between Todd Pacific Shipyards Inc. and the Hooker Electrochemical Company, as proposed by the Bureau of Ships. These have been executed by both lessor and lessee.

The attorneys for Hooker have advised us that the mortgage under which New York Trust Company and Augustus C. Downing were trustees, has been released, satisfied and discharged of record, and the attorneys accordingly removed the third page from the instrument. This release of mortgage was duly filed and recorded in the Office of the Auditor of Pierce County, Washington on February 26, 1944.

Sincerely yours,

(Signed) BOGLE, BOGLE & GATES

Enc.

General Inspector

Serial 304010

HEADQUARTERS
THIRTEENTH NAVAL DISTRICT
U. S. NAVAL STATION
SEATTLE 99, WASHINGTON



6 February 1947

From: Captain C. D. ENOFF, General Inspector,
Thirteenth Naval District.

To: Commandant, THIRTEENTH Naval District.

Subj: Naval Station, Tacoma - Inspection of to determine the possibility of pollution of city fresh water system by 19th Fleet vessels moored at Naval Station, Tacoma, through fire hose connections to dock and also to report progress as being made in moving naval personnel from Barracks to APL's.

Encl: (A) Map of Naval Barracks.
(B) Schematic Diagram showing connections from firemain on dock to inactivated ships.

1. Reference (a) directed the General Inspector to inspect the Naval Station, Tacoma, to determine the possibility of pollution of city's fresh water system by Reserve Fleet vessels moored at the Naval Station, Tacoma, through fire hose connections to the dock and also to report progress being made in moving naval personnel from Barracks to APL's. In accordance with this directive, I visited the Naval Station, Tacoma, on Monday, 3 February and conferred with Captain Galloway, the Group Commander, and Captain Fritschmann, Commanding Officer, Naval Station, Tacoma.

FACTS: (Moving from Barracks Area).

- (1) All Station and Group personnel have vacated Barracks Area, (Encl. (A)), and enlisted men are now quartered on APL's 2 and 4. There are presently 627 Group enlisted personnel and 57 enlisted station personnel so quartered and subsisted.
- (2) The APL's are administered by the Group Commander and as was stated in the Inspection Report of the Deputy General Inspector, Western Sea Frontier (10-18 Dec. 1946) are clean and being run in an excellent manner.
- (3) Enclosure (A) shows what buildings of the Barracks Area have or will be occupied by the Naval and Marine Corps Reserve. Enclosure (A) also shows the four barracks

Serial 304010

Subj: Naval Station, Tacoma - Inspection of to determine the possibility of pollution of city fresh water system by 19th Fleet vessels moored at Naval Station, Tacoma, through fire hose connections to dock and also to report progress as being made in moving naval personnel from Barracks to AFL's.

buildings it is proposed to convert into 12 Married Officers' Quarters and 36 Enlisted Men's Quarters.

- (4) The only Naval Station activities remaining in the Barracks Area are the laundry and Ship's Service Office, which latter activity will soon be moved to the North End of the Naval Station.

FACTS: (Pollution of City's F.W. System).

- (1) Neither the Commanding Officer of the Naval Station nor the Group Commander have ever been approached by city authorities (as has been the case in Seattle) concerning the pollution of City's Fresh Water System by vessels of the Reserve Fleet, nor has the city demanded the installation of an open break in the line.
- (2) Enclosure "B" shows the typical "hook up" for furnishing fire main pressure to a nest of CVE's.
- (3) Deck pressure (125 Lbs. sq. in.) in 6" fire main line FM (on dock) is fed by four 2½" hoses (blue) into temporary (4" fire main (pink) on inboard CVE. Water is fed from inboard CVE to next CVE by (3) 2½" hoses (blue) and from this CVE to outboard CVE by (2) 2½" hoses (blue).
- (4) This arrangement does not provide suitable pressure on CVE's to properly operate a sufficient number of spray nozzles, so in event of fire it is necessary to rig booster pumps (B) on the dock as shown in Enclosure (B). These booster pumps do not take sea suction, but merely build up pressure of water taken from line FM.
- (5) Single check valves (X) are being installed as shown to prevent recirculation in case all four booster pumps are not used.
- (6) In the event of failure of pressure in line FM (City Supply) Chrysler Pumps (CP) are installed. These are hung on platforms over the stem of CVE's and take sea suction.
- (7) There is an open break in the Chrysler pump discharge line to the temporary firemain on the ships, and these pumps are only used in case of failure of City's Fresh Water System.

Serial 304010

Subj: Naval Station, Tacoma - Inspection of to determine the possibility of pollution of city fresh water system by 19th Fleet vessels moored at Naval Station, Tacoma, through fire hose connections to dock and also to report progress as being made in moving naval personnel from Barracks to AFL's.

- (8) It is procedure not to hook up the Chrysler pump to the CVR's fire main unless the 2 1/2" hoses to the dock are disconnected from the inboard CVR.
- (9) As a safety and precautionary measure, Budocks has approved (4 Feb. 1947) a project for installation of 10 double check valves strategically placed in the Yard, to prevent backing up of pressure taken from these Chrysler pumps, and thereby contaminating the city's Fresh Water System with sea water.

CONCLUSIONS:

- (1) All enlisted personnel of Group and Station have moved from Barracks Area to AFL's 2 and 4.
- (2) The possibility of polluting the city's fresh water system by means of the Chrysler pumps is a very remote one and would only result by an operational failure on the part of personnel by not disconnecting the 2 1/2" hoses to the dock from inboard CVR when the Chrysler pump was connected up and this, coupled with the material failure to operate of the 10 double check valves (not yet installed).
- (3) The City of Tacoma has offered no objection to the present and planned installation.

RECOMMENDATIONS:

None.

WIS (Tacoma)

G. D. EMMET,
Captain, U.S.N.,
General Inspector.

cc: Capt. Fischer (less Encl. (A))
Capt. Callaway (" " ")
Capt. Fritschman (" " ")

ROUTE SLIP
13ND-1049 (REV. 8-52)

HEADQUARTERS
THIRTEENTH NAVAL DISTRICT

H1 TAB 11-166

DATE RECD. July 11, 1952 **NS** COMMANDANT'S FILE NO. NS/Tacoma

FROM CO, NS, Tacoma, Washington	DATE July 10, 1952
TO COM, 13ND	THEIR SERIAL OR FILE NO. Ser 6515

SUBJECT
**Harbor Pollution; comments on
Encl: Photographs of oil contamination in Commencement Bay; Oil Analysis
from P.S.N.S.; Sludge Barge Print #293; Harbor Chart on Commencement Bay**

Code	Tel. No.	DESTINATION	Route	Initial & Date	Code	Tel. No.	DESTINATION	Route	Initial & Date
00	230	Commandant			03	650	Asst. CofS Operations	<u>2</u>	
002	668	Aide			31	562	District Operations		
001	663	Chief of Staff	<u>2</u>		32	434	Intelligence		
001A	803	Staff Secy. & Aide	<u>1</u>		33	384	Sec. & Fire Marshal		
001B	591	Chief Clerk			34	225	Communications		
003	308	Reserve Coordinator			36	271 PSNS	District Marine Officer		
004	471	Planning			38	402 PSNS	Harbor Defense Officer		
005	739	Inspector General, 13ND			04	636	Asst. CofS Logistics		
007	243	Asst. for Public Infor.			41	636	Material		
01	311	Asst. CofS Personnel			43	254	Supply		
11	338	Naval Personnel			43C	361	Budget		
12	352	Civilian Personnel				221	NSD Seattle		
13	276	Training			43A	340	Navy Accts. Disb.		
14	673	Comptroller (BuPers Appns.)			43B	241	Regional Accounts		
15	575	Special Services			44	660	District Civil Engineer		
16	739	Discipline			45	479	Ordnance		
18	258	Chaplain			46	454	Medical		
11E	262	Pass. Trans.			47	596	Dental		
02	663	Asst. CofS Admin.			70	346	Public Works Officer		
22	217	Legal			60	MA 1472 Seattle	A.I.M.		
25	829	Records				230	NWS, WSF		
26	790 PSNS	Pubs. & Prints.				401 PSNS	Comdr., Naval Base		
						406 PSNS	Comdr., PSNS		
					37	VE 0550 327	Comdr., NAD, 13ND (Aviation Matters Officer on Commandant's Staff)		
					35	VE 0550 249	Aerology		
						300	C.O., RecSta, Seattle		
						704	M.S.T.S., NorPac		
						795	Commandant's Files		

ACTION 3

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Numerals in "Action" box indicates action officer.

NO. COPIES

25/2 TAB 11-467

ROUTE SLIP

HEADQUARTERS
 THIRTEENTH NAVAL DISTRICT

DATE RECD: 5/18/52

COMMANDANT'S FILE NO. 130002

FROM: Seattle Testing Laboratory, Seattle DATE: 12 June 1952
 TO: Com 13 THEIR SERIAL OR FILE NO.:

SUBJECT: Test Laboratory test results on a sample of sand delivered to this lab from Tacoma

Code	Tel. No.	DESTINATION	Route	Initial & Date	Code	Tel. No.	DESTINATION	Route	Initial & Date
00	230	Commandant			03	650	Asst. CofS Operations		
002	668	Aide			31	662	District Operations		
001	668	Chief of Staff			32	434	Intelligence		
001A	808	Staff Secy. & Aide			33	884	Sec. & Fire Marshal		
001B	591	Chief Clerk			34	225	Communications		
008	808	Reserve Coordinator			36	271 PSNS	District Marine Officer		
004	471	Planning			38	402 PSNS	Harbor Defense Officer		
005	739	Inspector General, 13ND			04	636	Asst. CofS Logistics		
007	243	Asst. for Public Infor.			41	636	Material		
01	311	Asst. CofS Personnel			43	264	Supply		
11	338	Naval Personnel			43C	861	Budget		
12	352	Civilian Personnel			221		NSD Seattle		
13	273	Training			43A	340	Navy Accts. Disb.		
14	878	Comp. Control (BuPers Appus.)			43B	241	Regional Accounts		
15	575	Special Services			44	660	District Civil Engineer		
16	739	Discipline			45	479	Ordnance		
18	258	Chaplain			46	404	Medical		
11E	282	Pass. Trans.			47	598	Dental		
202	662	Asst. CofS Admin.			70	346	Public Works Officer		
22	217	Legal			60	MA 1472 Seattle	A.I.M.		
25	829	Records			230		NWS, WSF		
26	790 PSNS	Pubs. & Prints			401 PSNS		Comdr., Naval Base		
					406 PSNS		Comdr., PENS		
					87	VE 0530 357	Comdr., NAB, 13ND (Aviation Matters Officer, on Commandant's Staff)		
					35	VE 0530 249	Aerology		
					300		C.O., RecSta, Seattle		
					704		M.S.T.S., NorPac		
					795		Commandant's Files		

ACTION: Indicates that copy should be furnished.
 Indicates that copy has been furnished.
 Your copy.
 Reply Required by: _____
 Numerals indicate order of routing.
 Numerals in "Action" box indicates action officer.

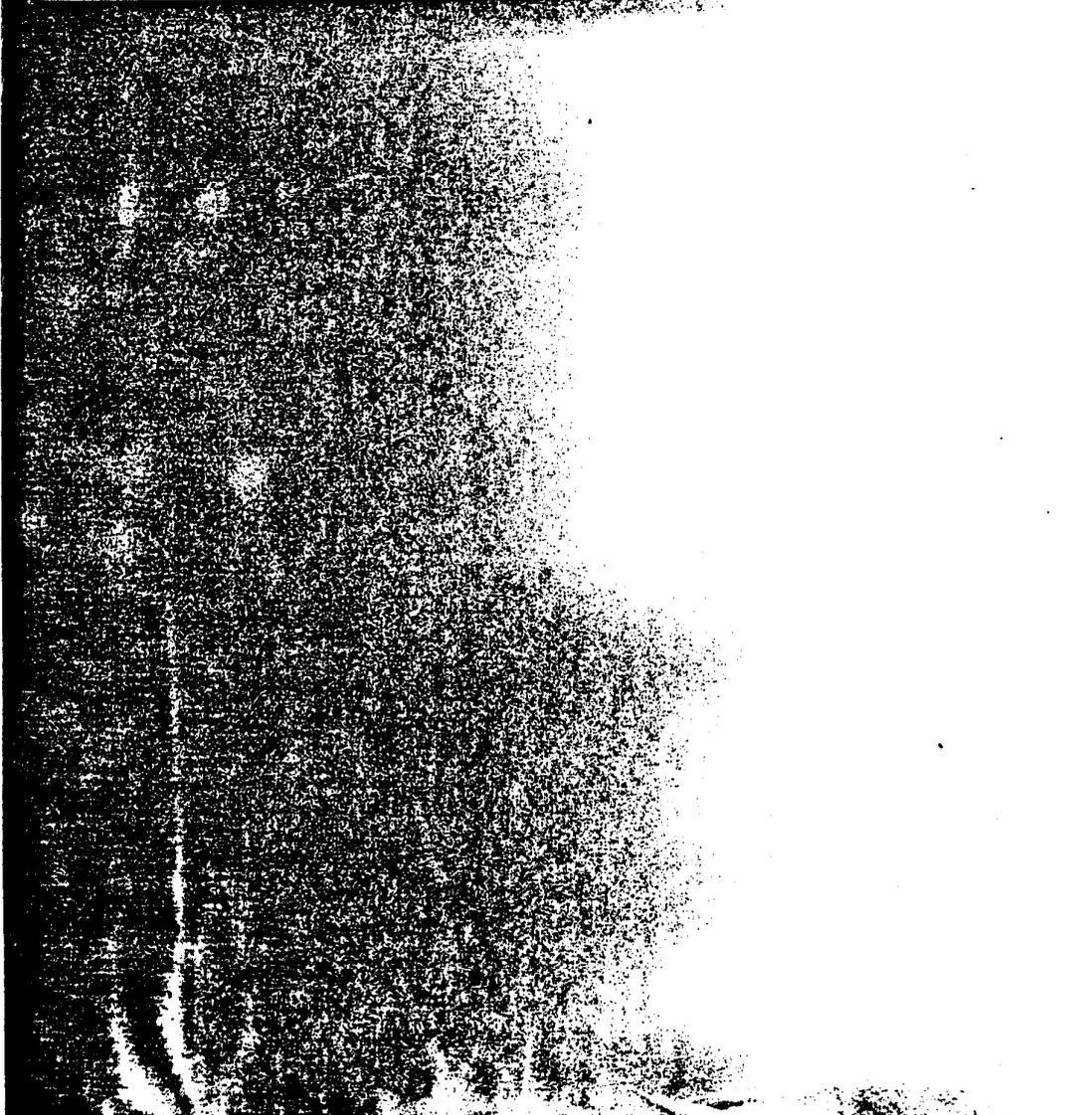
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Navy-DPPO 13ND Brm, Wn (H) 1

REPRODUCED AT THE NATIONAL ARCHIVES
AND OFFICE MEMO

SECTION CODE			INITIALED		ENCLOSURE	FILE No.	SERIAL No.
BY	DATE				<input type="checkbox"/> NW <input type="checkbox"/> EC		
						Qm/Todd Pacific Shipyard	1290312
						net 26 c - mail	
761	WPS	2/4					80 JAN 1946
764	WPS	2/7					
761-4	WPS	2/7/46					
76102	WPS	2/15				th to Balllocks request - demolition and salvage	
761	WPS	2/9				value of all government owned facilities located in ^{area 2} ₃₋₄₂₅	
243						Harbor Engineering Co property under lease to Todd Pacific Sy. Inc - Tacoma Division under Regs 779/PPS	
FILE							

Use pencil or ink for Office Memos; use reverse side for extended comments
*Remove & destroy surplus gov. facilities located in areas 1 & 2.



TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE

TACOMA 1, WASHINGTON

January 15, 1946

From: Todd Pacific Shipyards Inc.
Tacoma Division
Tacoma, Washington

To: Supervisor of Shipbuilding, U. S. Navy
Tacoma, Washington

Attention: Lt. Comdr. J. T. Polk

Subject: Facility Items Located on Hooker Electrochemical
Company Property -
Cost of; Salvage Value; and, Cost of Removing
Facilities Located on Hooker Electrochemical
Company Property

Reference: (a) SupShips ltr. L24(AF)JTP:PC to TFSI, Tacoma,
dated December 19, 1945

Enclosure: (A) Drawing No. 200-10-105 - Plot Plan of Hooker
Electrochemical Company Property, Showing
Facilities Located Thereon, Except Electrical
Facilities

(B) Drawing No. 194-50-201 - Plot Plan of Hooker
Electrochemical Company Property, Showing
Electrical Facilities Thereon

(C) Estimate of Costs; Salvage Value; and, Cost
to Remove Facilities Located on Hooker
Electrochemical Company Property

1. As it has become necessary to vacate, by February 1, 1946, certain portions of the Hooker Electrochemical Company property now under lease by Todd Pacific Shipyards, Tacoma, Washington, Contractor herewith submits enclosures (A), (B), and (C) for the Supervisor's information.

2. On Enclosure (A) is shown that portion of subject property presently under lease to Contractor, which must be vacated. For the purpose of estimating costs and salvage values, this area has been broken into two divisions; namely, Area I - Present Salvage Yard; and, Area II - Present Parking lot and Bus Area.



TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE

TACOMA 1, WASHINGTON

From: TPPI
To: SupShips

-2-

January 15, 1946

By Reference (a) the Supervisor has requested that a certified cost, of all facility items presently located on the property leased from the Hooker Electrochemical Company, be submitted by the Contractor. As many of the items originally constructed on this property are included with similar items located elsewhere in the Plant, it would be impossible from the Contractor's cost records to isolate the actual costs pertaining to this area. Therefore, Contractor is submitting by Enclosure (C) an estimated cost of this work as originally installed, which estimate is based on the costs of all work of a similar nature within the Plant.

In establishing the salvage value of these facility items, only such items were included that were known to have a salvage value in excess of the cost of salvaging them. Other items, such as, grading and filling, paving, underground piping, portions of underground electrical systems, etc., are noted on Enclosure (C) as being not salvable, or a recommendation is made that they be left in place.

3. At a meeting between Mr. J. A. Flynn, General Manager of Hooker Electrochemical Company; and, Contractor's Assistant to the Works Manager and Plant Engineer, Mr. J. A. Samuelson and Mr. H. E. Kerr, respectively, the matter of the purchase of these facilities by the Hooker Electrochemical Company was discussed. Mr. Flynn indicated that his company would have very little use for any of these facilities, but was prepared to submit an offer for two of the buildings; namely, the Maintenance Building, Building #102; and, the Nut and Bolt House, Building #118 - same being approximately \$5,000.00 for the two buildings. Only the Nut and Bolt House, Building #118, is located on the property which must be vacated February 1, 1946. Mr. Flynn indicated that his company would not require the removal of the remaining facility items by the Contractor, except power and light poles.

4. In compiling the estimates shown on Enclosure (C), Contractor has included only that portion of subject property which must be vacated by February 1, 1946. The remaining portions upon which are located the railroad tracks, bus loading shelter, portions of the restaurant and the maintenance building, are not presently involved; and, inasmuch as future plans for this area and the facilities located

TODD PACIFIC SHIPYARDS INC.

A SUBSIDIARY OF TODD SHIPYARDS CORPORATION

TACOMA DIVISION

FOOT OF ALEXANDER AVENUE
TACOMA 1, WASHINGTON

From: TFSI
To: SupShips

-3-

January 13, 1946

thereon cannot be determined at this time, Contractor believes that this area and the facilities located thereon should not now be considered.

3. Due to the fact that the Contractor must vacate the above mentioned areas in the near future, it is requested that the Supervisor release the Contractor of accountability of all facility items shown in Enclosure (C); and, that the Contractor be given instructions as to the disposition of all salvable items.

Very truly yours,

TODD PACIFIC SHIPYARDS INC.

(Signed) R. J. LAMONT

R. J. LAMONT
President and General Manager

JG
JAS
HKK:phh

Enclosures -

4 cc ltr. with Enclosure (C) attached, and
2 cc Enclosures (A) and (B) - SupShips

cc ltr. with Enclosure (C) attached - Navy Cost Inspector, U

ENCLOSURE NO.

ESTIMATE OF COSTS; SALVAGE VALUE; AND, COST TO REMOVE FACILITIES LOCATED ON
 ----- HOOKER ELECTRO-CHEMICAL COMPANY PROPERTY -----

AREA I	Estimated Cost in Place	Cost to Salvage	Salvage Value	Remarks
A. SALVAGE YARD				
1. Grading and filling	\$1,075.00			Not salvable
2. Paving	3,688.00			Not salvable
3. Fencing and gates	1,019.00	\$ 15.00	\$ 30.00	Salvage-Hire gate only
4. Drainage	872.00			Leave in place
5. Water supply and distribution	402.00			Leave in place
6. Electrical distribution	<u>2,412.00</u>	<u>200.00</u>	<u>300.00</u>	--
	\$9,667.00	\$215.00	\$390.00	
B. RAG STORAGE HOUSE				
1. Excavation and backfill	\$ 20.00			Not salvable
2. Foundation and floor	435.00			Not salvable
3. Framing and carpentry	479.00			Leave in place
4. Roofing	60.00			Not salvable
5. Painting	38.00			Not salvable
6. Electrical -				Not salvable
Included in A6 above				
	<u>\$1,032.00</u>			--
C. NUT AND BOLT HOUSE				
1. Excavation and backfill	\$ 51.00			} } Estimated salvage value if sold as stands
2. Foundation and floor	1,626.00			
3. Framing and carpentry	1,793.00			
4. Roofing	285.00			
5. Painting	263.00			
6. Addition to building - 20% of original cost	<u>804.00</u>			
	\$4,822.00		\$500.00	
D. SALVAGE BINS				
1. Framing and carpentry	\$ 523.00			Leave in place
2. Roofing	68.00			Not salvable
3. Painting	169.00			Not salvable
4. Electrical -				
Included in A6 above				
	<u>\$ 760.00</u>			--

ENCLOSURE "C" - Continued

	Estimated Cost in Place	Cost to Salvage	Salvage Value	Remarks
AREA II				
A. MAIN PARKING AREA				
1. Grading and filling	\$9,907.00			Not salvable
2. Regrading and surfacing bus turnaround area	4,209.00			Not salvable
3. Asphalt paving	2,693.00			Not salvable
4. Pit run surfacing	6,388.00			Not salvable
5. Drainage - (Manholes and sewers)	1,609.00			Leave in place
6. Hecker Electrochemical Company lot fence	1,203.00			Leave in place
7. Dumpster legs	300.00	\$100.00	\$300.00	--
8. Electrical				
a. Light poles and floodlights, and supply system	4,300.00	350.00	300.00	--
b. Fence lights and underground		75.00	25.00	--
c. High tension line and pole				--
	<u>\$31,009.00</u>	<u>\$425.00</u>	<u>\$625.00</u>	See Note 1 below
GRAND TOTAL	\$47,310.00	\$740.00	\$1,675.00	

Note 1 - It will be necessary to reroute the 13000 volt supply line (see A&E above) to remove it from Hecker Electrochemical Company property. When new location for this line has been determined, the salvage value of the old line will be taken into account in establishing the cost of the work.

NAVAL COMMUNICATION SYSTEM

DRAFTED BY EWELL/LINDBERG	FILE NR.	ROOM NR. 73-2509	EXT. NR. 6993
RELEASED BY	CODE/RECT. NR. 761	DATE 12/18/45	

Please leave this space clear

FROM: **BUSHIPS**

TO: **SUPSHIPS, TACOMA, WASH.**

INFO:

(date/time group) (GCT)

PRECEDENCE

- PRIORITY
- ROUTINE
- DEFERRED
- NIGHT LETTER

UNLESS CLASSIFIED
RESTRICTED
WILL BE CLASSIFIED
PLAIN

Unless otherwise indicated, this dispatch will be transmitted with Deferred Precedence.

TEXT:

REUR N1-13(AR)GV:PA DTD 28 NOV 1945 END-2 ON HECO TAC LTR TO CHIEF BUSHIPS DTD 23 NOV 1945 X SUPSHIPS IS REQUESTED TO FORWARD AN AUTHENTICATED LIST OF ALL FACILITIES LOCATED ON THE AREA LEASED FROM HOOKER ELECTROCHEMICAL CO WITH CERTIFIED COST OF SUCH FACILITIES AND A SIMPLE PLOT OR LOCATION PLAN OF FACILITIES IN LEASED AREA X NAVY HAS AUTHORITY TO SELL THESE FACILITIES TO LAND OWNER X OBTAIN AND FORWARD VIEWPOINT OF LAND OWNER AS TO PURCHASE OF THESE FACILITIES X IN THE EVENT LAND OWNER NOT INTERESTED IN BUYING PLEASE FORWARD ESTIMATED COST OF REMOVAL AND ESTIMATE OF SALVAGE VALUE OF MATERIAL RESULTING FROM REMOVAL

SHIPS 50-D
U.S. DEPARTMENT OF COMMERCE
BUREAU OF SHIPS
WASH. D.C.

ROUTE SLIP

3-2070 4/c
68

CODE OF ORIGINATING SECTION

INITIALED BY

DATE

SECTION CODE	INITIALED		FILE NO.	REMARKS	SERIAL NO.
	BY	DATE			
764	AKK	2/12/16	am/odd Pacific	Reply to inquiry on alleged pollution.	
760	R	2/12			
700	R	2/12			
110	Zmm	2/15		Only a chemical analysis after careful sampling is missing. I believe the evidence is direct and sufficiently broad to warrant the conclusion.	
100		1/16			
			E.L. Cochrane Vice Admiral, U.S.N. Chief of Bureau		
			18 FEB 1946		
			OK'D by C.E.N.		

FILE

BY DATE

HW RERUN U REQ

UN 232
T
SN C132KN 192

KNC B 57
5-5-5
R R R
KNTS KNTB KNYC SNC WNDE V KNC NR 115/11 R

FM COM 13 CODE 13 111916
TO BUSHIPS CODE 750 LEMLER / WNDE

INFO COMNESSEAFRON / SNC
COM19THFLT / SNC
COM TACOMA GROUP 19TH FLT / KNTR
COM NAV STA TACOMA / KNTS
COMNAVSHIPYD PUG / KNYC

REUR DISPATCH 061706 FEBR REQUESTING STULVENT CONCERNING REPORTED
POLLUTION HARBOR WATER AT TODD-TACOMA PLANT JEOPARDIZING LONG TERM
HULL PRESERVATION X COAST GUARD REPORTS MANY SMALL CRAFT MOORED
IN HYLEBOS WATERWAY ADJOINING TODD TACOMA AS LONG AS FIVE YEAR
PERIOD OF TIME SHOW NO APPARENT DAMAGE TO HULLS FASTENINGS OR
FITTINGS X COAST GUARD ALSO REPORTS MORE FISH NOW FOUND IN HYLEBOS
WATERWAY THAN IN FORMER YEARS DUE TO DISMANTLING FORMER PULP
MILL ON THAT WATERWAY X SUPCVE VII CONFIRMS INCREASING FISH LIFE
IN HYLEBOS WATERWAY X PHYSICAL EXAMINATION COOLING WATER INTAKE
TO TACOMA CITY LIGHT STEAM PLANT DRAWING WATER FROM HYLEBOS WATER-
WAY INDICATES NO EVIDENCE UNUSUAL OR UNEXPECTED CORROSION OVER LONG
PERIOD OF TIME X CHIEF ENGR PORT OF TACOMA ON WAPATO WATERWAY
HAS NOTED NO EVIDENCE INDICATING UNUSUAL WATER CONDITION X PHY-
SICAL EXAMINATION MARVIN MARINE REPAIR CO NORTH OF TODD TACOMA PLANT
INDICATES NO UNUSUAL DETERIORATION ON BARE METAL MARINE RAILWAY
STRUCTURE X FOSS TUG BOATS OPERATING EXTENSIVELY IN AND AROUND
TACOMA HAVE EXPERIENCED NO UNUSUAL HULL DETERIORATION X PRESENCE
OF CONSIDERABLE MARINE PLANT AND ANIMAL LIFE ON PIER SUB-STRUCTURES
AT TODD TACOMA PLANT COULD NOT EXIST IF WATER WERE SEVERLY CONT-
AMINATED OR POLUTED X IN VIEW ABOVE FINDINGS BY COAST GUARD AND
SUPCVE VII QUALIFIED PERSONNEL HARBOR WATER AT TODD TACOMA PLANT
NOT CONSIDERED POLUTED SO AS TO JEOPARDIZE LONG TERM PRESERVATION
OF HULLS X WRITTEN REPORT FOLLOWS

2032/11 FEB JT

Code 760

QA/Todd Pacific (760-110)

Honorable Harry R. Sheppard
U. S. House of Representatives
Washington, D. C.

8 FEB 1946

Dear Mr. Sheppard:

Reference is made to your recent telephone inquiry concerning reports received by you to the effect that the harbor water at Tacoma, Washington, was so highly polluted as to make the location undesirable as a site for berthing a number of ships of the Reserve Fleet in accordance with the Navy's present plans.

Upon the receipt of your inquiry, I requested the Commandant of the Thirteenth Naval District to forward a report on the matter. The following is quoted directly from a telegram which he has dispatched in reply to my request:

"Concerning reported pollution Harbor water at Todd Tacoma plant jeopardizing long term hull preservation. Coast Guard reports many small craft moored in Hylebos Waterway adjoining Todd Tacoma as long as five year period of time show no apparent damage to hulls fastenings or fittings. Coast Guard also reports more fish now found in Hylebos Waterway than in former years due to dismantling former pulp mill on that waterway. Supce VII (Superintending Civil Engineer, 7th Area, Bureau of Yards & Docks -- Rear Admiral Carl Trexel, USN) confirms increasing fish life in Hylebos Waterway. Physical examination cooling water intake to Tacoma city light steam plant drawing water from Hylebos Waterway indicates no evidence unusual or unexpected corrosion over long period of time. Chief engr. Port of Tacoma on Wapato Waterway has noted no evidence indicating unusual water condition. Physical examination Marvin Marine Repair Co. north of Todd Tacoma plant indicates no unusual deterioration on bare metal marine railway structure. Toss tug boats operating extensively in and around Tacoma have experienced no unusual hull deterioration. Presence of considerable marine plant and animal life on pier sub-structures at Todd Tacoma plant could not exist if water were severely contaminated or polluted. In view above findings by Coast Guard and Supce VII qualified personnel, Harbor water at Todd Tacoma plant not considered polluted so as to jeopardize long term preservation of hulls."

A written report from the Commandant of the Thirteenth Naval District, confirming the substance of the foregoing, is now under preparation, and as soon as it is received in the Navy Department, I will be pleased to forward you a copy.

QN/Todd Pacific (760-110)

FCN/hc
2/14/46

On the basis of this information, as well as earlier reports which we have obtained in connection with our study of the suitability of the Todd-Tacoma shipyard as a Reserve Fleet berthing site. I am satisfied that we can go forward with our plans to make use of the site for this purpose, without exposing our ships to serious threat of injury. I will, however, be pleased to respond to any further inquiries which you may have in this connection.

Sincerely,

E.L. Cochrane
Vice Admiral, U.S.N.
Chief of Bureau

ROUTE SLIP
13ND-1948 (REV. 2-52)

HEADQUARTERS
THIRTEENTH NAVAL DISTRICT

#1 TAB 11-168

DATE RECD. Aug 8, 1952 **PS** COMMANDANT'S FILE NO. NS/Tacoma

FROM OO, NavSta, Tacoma, Washington DATE Aug 5, 1952

TO JAG THEIR SERIAL OR FILE NO. Ser 1107

SUBJECT

U.S. Naval Station, Tacoma, Washington - Sitcum Waterway - Pollution

Code	Tel. No.	DESTINATION	Route	Initial & Date	Code	Tel. No.	DESTINATION	Route	Initial & Date
00	230	Commandant			03	650	Asst. CofS Operations		
002	668	Aide			31	562	District Operations		
001	663	Chief of Staff			32	434	Intelligence		
001A	803	Staff Secy. & Aide			33	384	Sec. & Fire Marshal		
001B	591	Chief Clerk			34	225	Communications		
003	308	Reserve Coordinator			36	271 PSNS	District Marine Officer		
004	471	Planning			38	402 PSNS	Harbor Defense Officer		
005	739	Inspector General, 13ND			04	636	Asst. CofS Logistics		
007	243	Asst. for Public Infor.			41	636	Material		
01	311	Asst. CofS Personnel			43	254	Supply		
11	338	Naval Personnel			43C	361	Budget		
12	352	Civilian Personnel				221	NSD Scattle		
13	276	Training			43A	340	Navy Accts. Disb.		
14	873	Comp-troller (BuPers Appns.)			43B	241	Regional Accounts		
15	575	Special Services			44	660	District Civil Engineer		
16	730	Discipline			45	479	Ordnance		
18	258	Chaplain			46	454	Medical		
11E	262	Pass. Trans.			47	596	Dental		
02	663	Asst. CofS Admin.			70	346	Public Works Officer		
22	217	Legal			60	MA-1470 Seattle	A.I.M.		
25	829	Records				230	NWS, WSF		
26	700 PSNS	Pubs. & Prints				401 PSNS	Comdr., Naval Base		
						406 PSNS	Comdr., PSNS		
					37	VE 0530 357	Comdr., NAB, 13ND (Aviation Matters Officer on Commandant's Staff)		
					35	VE 0550 249	Aerology		
						300	C.O., RecSta, Seattle		
						704	M.S.T.S., NorPac		
						795	Commandant's Files		

ACTION

X Indicates that copy should be furnished.
* Indicates that copy has been furnished.
② Your copy.

Reply Required by: _____
Numerals indicate order of routing.
Numerals in "Action" box indicates action officer.

NO. COPIES